



**BASELINE ENVIRONMENTAL ASSESSMENT
CONDUCTED PURSUANT TO SECTION 20126(1)(C)
OF 1994 PA 451, PART 201, AS AMENDED
AT
@WATER LOFTS DEVELOPMENT (NORTHEAST)
PARCELS F AND G
1461 THROUGH 1471 EAST ATWATER STREET
DETROIT, MICHIGAN 48207**

Prepared for

**@WATER LOFTS, LLC
78 WATSON STREET – SUITE 100
DETROIT, MICHIGAN, 48201**

**AKT Peerless Project No. 5133D-9-26
December 15, 2006**



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL RESPONSE DIVISION

FOR DEQ USE ONLY

BEA Disclosure # _____

DISCLOSURE OF A BASELINE ENVIRONMENTAL ASSESSMENT
(FORM EQP4446(REV.3/99))

(Under the authority of Part 201, 1994 Act 451, as amended, and the Rules promulgated thereunder)

DO NOT use this form for requesting a Baseline Environmental Assessment ("BEA") adequacy determination, OR if the property is not a facility, OR if the BEA was complete before the effective date of the BEA rules. Please answer the following questions as completely as possible.

Name and address of submitter*
(individual or legal entity):

@water Lofts, LLC
78 Watson Street
Suite 100
Detroit, Michigan 48201

Status relative to the property:

	Former	Current	Prospective
Owner*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operator*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Address/location of property where
BEA was conducted:

1364 Franklin Street, 1365 through
1369 East Atwater Street, and 1370
Guoin
Detroit, Michigan 48207

County: Wayne

Provide the property tax identification number(s) or, if applicable, the ward and item number(s) for the property identified in the BEA. Required pursuant to Rule 907.

Ward Item Numbers 5/000016, 5/000010, 5/000012, 5/00009, and 5/000011

Contact person: Mr. Dwight Belyue

Telephone #: 313-833-3600

If the address of the person seeking liability protection above is different from the address that should be used to correspond with the contact person, please provide the contact person's address:

Check the appropriate response to each of the following questions.

1. Is it known that the source of contamination at the property is primarily from any of the following?

- A leaking underground storage tank (UST) regulated under Part 213, 1994 PA 451, as amended.
- A licensed landfill or solid waste management facility.
- A licensed hazardous waste treatment, storage, or disposal facility.
- Oil and gas development related activities.

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

The source of the release that resulted in this property becoming a "facility" will determine which DEQ division will maintain a file regarding this BEA.

2. Based on the Part 201 Rules, this BEA is a:


Category N	<input checked="" type="checkbox"/>
Category D	<input type="checkbox"/>
Category S	<input type="checkbox"/>

3. Is the property at which the BEA was conducted a "facility"* as defined by Section 20101? If the answer to this question is NO, do not submit the BEA to the DEQ.

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

4. Was the BEA conducted* prior to or within 45 days after the date of purchase*, occupancy, or foreclosure of the property, whichever is earliest, and completed* not more than 15 days after the date required by Section 20126(1)(c) or Rule 299.5903(8)? If the answer to either portion of this question is no, you are ineligible for an exemption from liability based on the BEA. YES ☒ NO ☐
5. Is the BEA being disclosed to the DEQ no later than 8 months after the earliest of the date of purchase, occupancy, or foreclosure? All disclosures pursuant to Rule 919(3) must be submitted to the DEQ no later than 8 months after the earliest of the date of purchase, occupancy, or foreclosure. YES ☒ NO ☐
6. Are any USTs or abandoned or discarded containers identified in the BEA? If yes, this information must be provided on Form EQP4476. YES ☐ NO ☒
7. Does this BEA rely on an isolation zone or an engineering control that requires an affidavit pursuant to Rule 299.5909(3) or 299.5909(4)? If yes, a completed affidavit, Form EQP4479, must be attached or the BEA will not be considered complete. YES ☐ NO ☒

With my signature below, I certify that the enclosed BEA and all related materials are complete and accurate to the best of my knowledge and belief. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to \$25,000 for each violation.

Signature of Submitter: 
(Person legally authorized to bind the person seeking liability protection)

1/23/07
Date

Name (Typed or Printed) Mr. Dwight Belyue

Title Member

**BASELINE ENVIRONMENTAL ASSESSMENT
CONDUCTED PURSUANT TO SECTION 20126(1)(C)
OF 1994 PA 451, PART 201, AS AMENDED
AT
@WATER LOFTS DEVELOPMENT (NORTHEAST)
PARCELS F AND G
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Previous Environmental Reports (CD)

**BASELINE ENVIRONMENTAL ASSESSMENT
CONDUCTED PURSUANT TO SECTION 20126(1)(C)
OF 1994, PA 451, PART 201, AS AMENDED
AND THE RULES PROMULGATED THEREUNDER
AT
@WATER LOFTS DEVELOPMENT (SOUTH)
1461 THROUGH 1471 EAST ATWATER STREET
DETROIT, MICHIGAN 48207
PROJECT NO. 5133D-9-26**

1.0 IDENTIFICATION OF AUTHOR AND DATE OF BEA COMPLETION

AKT Peerless Environmental Services (AKT Peerless) was retained by the Detroit/Wayne County Port Authority to prepare this Baseline Environmental Assessment (BEA) on behalf of @water Lofts, LLC. This BEA included the property located at 1461 through 1471 East Atwater Street (Parcels F and G) between Rivard and Riopelle Streets in Detroit, Michigan (subject property).

AKT Peerless' scope of work was based on (1) Section 20126(1)(c) of Part 201 of the Natural Resources and Environmental Protection Act (NREPA), 1994 Public Act (PA) 451, as amended, and (2) Michigan Department of Environmental Quality (MDEQ) *Instructions for Preparing and Disclosing Baseline Environmental Assessments and Section 7a Compliance Analysis*, dated March 11, 1999. This BEA was conducted and completed on December 15, 2006, by Megan Bahorski and Timothy J. McGahey of AKT Peerless.

2.0 INTRODUCTION

The subject property is located at 1461 through 1471 East Atwater Street (Parcels F and G) on the northeastern side of Atwater Street between Rivard and Riopelle Streets in Detroit, Wayne

County, Michigan. The subject property consists of a two parcels consisting of approximately 3.87-acres of land. See Appendix C for the legal description of the subject property. See Figure 1 for a topographic site map of the subject property. See Figure 2 for the subject property, utility, and soil boring location map.

The BEA was prepared (1) to provide an independent, professional evaluation and opinion regarding existing environmental conditions associated with the subject property at the time of purchase and (2) to maintain a liability exemption for cleanup of existing contamination at the subject property.

2.1 CATEGORY SELECTION

@water Lofts, LLC intends to construct a mixed-use commercial and residential building, with first-floor retail and upper-story residential units. @water Lofts, LLC does not intend to use, manage, or store significant quantities of hazardous substances at the subject property. Refer to Appendix F for a Draft Development Plan.

According to the MDEQ's *Instructions for Preparing and Disclosing Baseline Environmental Assessments*, a property "at which there will be no significant hazardous substance use," is classified as Category N. Therefore, on behalf of @water Lofts, LLC at the request of DWCPA, AKT Peerless has prepared a Category N BEA.

2.2 SITE HISTORY

The following table summarizes the general development and use of the subject property, as identified by AKT Peerless.

Parcel F 1461 E. Atwater Street / 1469 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several small rectangular buildings.	Lumber and coal storage	R.C. Faulconer	Sanborns
1897 – 1930	Removal of former building and construction of two rectangular buildings.	Power house	D. S. Ry Power House (1921-1930)	City directories Sanborns
1949 – 1952	None apparent	Steel warehouse and office	Ambassador Steel	Municipal records Aerial photographs City directories Sanborns
1953-2000	Addition incorporating two buildings.	Large rectangular buildings used for steel fabricating and offices. Addition used as a paint room.	Ambassador Steel	Municipal records Aerial photographs City directories Topographic map Sanborns
2002	None apparent	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of structures.	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel G 1471 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several small rectangular buildings.	Lumber and coal storage	R.C. Faulconer	Sanborns
1897 – 1966	Construction of one large rectangular building.	Light industrial/manufacturing and warehouse	Mill Construction (1897), Detroit Screw Works (1900-1902), Allen Industries Inc.	Municipal records Aerial photographs City directories Sanborns

Parcel G 1471 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
			(1950-1953), and Ainsworth Manufacturing Corp. (1957)	
1967 – 1970	Removal of former building and construction of “I- shaped” building.	Light industrial/manufacturing	Coil Steel (1967)	Municipal records Aerial photographs City directories Topographic map Sanborns interviews
1970- 2002	None apparent	Vacant	Unknown	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of remaining structures.	Vacant land	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

See Figure 2 for the subject property, utility, and soil boring location map. Refer to Appendix A for a copy of AKT Peerless’ October 2006 Phase I ESA Report. Refer to the attachment for a CD of the previous environmental reports containing additional information regarding the current and historical uses of the subject property.

2.3 SUMMARY OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS

The following sections summarize previous environmental activities conducted at the subject property.

2.3.1 Enviro Matrix’s June 2005 BEA

@water Lofts provided AKT Peerless with a copy of a Category “N” Baseline Environmental Assessment (BEA), prepared in June 2005 by Enviro Matrix on behalf of the City of Detroit.

The BEA was disclosed to the MDEQ on June 30, 2005. Enviro-Matrix's BEA included several previous environmental investigations of the subject property, which are summarized in the following subsections:

- Phase II Environmental Inquiry, prepared in May 1999 by Roy F. Weston Inc. (Weston) on behalf of The City of Detroit.

In May 1999, Weston completed a Phase II Environmental Inquiry for the Waterfront Reclamation Casino Development Project. The purpose of this inquiry was to provide the information necessary to complete an Administrative Agreement and Covenant Not to Sue with the State of Michigan. The investigation area included 107 parcels and adjacent rights-of-way – part of which included the subject property Parcels D through H. Weston's investigation included (1) review of existing environmental reports, (2) geophysical survey of select parcels, (3) collecting surface samples from select parcels, (4) an evaluation of abandoned containers, and (5) drilling soil borings.

Weston conducted assessment activities on the subject property Parcels D through G. During the investigation on these parcels, Weston (1) conducted a geophysical surveys of Parcels F and G (outside of buildings), (2) drilled soil borings on Parcels D through H, (3) collected soil and groundwater samples, and (4) submitted soil samples for laboratory analyses. Samples were submitted for laboratory analyses of select parameters including VOCs, semi-volatile organic compounds (SVOCs), PCBs, and Michigan metals.

The following table provides a summary of analytical results detected above applicable criteria at the respective parcel.

Parcel Designation	Matrix	Parameter	Criteria Exceeded
Parcel D	Soil	SVOCs	Direct Contact
	Groundwater	SVOCs	Groundwater Contact
Parcel E (r-o-w)	Soil	Metal (arsenic)	Direct Contact
Parcel F	Soil	SVOCs Metals (arsenic and lead)	Direct Contact
	Groundwater	SVOCs	Groundwater Contact
Parcel H	Soil	BTEX	Groundwater to Surface Water Interface Drinking Water

In addition, several abandoned containers (ASTs, drums, etc.) were observed at the subject property during Enviro-Matrix investigation. These containers have since been removed from the subject property.

According to Enviro-Matrix, geophysical surveys conducted on the subject property identified two anomalies (one on northeast corner and one on southeast corner) on Parcel F. AKT Peerless was not provided with any additional information regarding investigation of these anomalies. It is important to note that the surveys were not conducted on all parcels (only Parcels F and G), and were conducted outside the former buildings. Refer to the attachment for a CD of previous environmental reports.

2.3.2 AKT Peerless's October 2006 Phase I ESA

On October 31, 2006, AKT Peerless completed a Phase I ESA of the subject property on behalf of the DWCPA. The purpose of AKT Peerless' ESA was to provide an independent, professional opinion of the *recognized environmental conditions* (RECs) or *historical recognized environmental conditions* (HRECs) associated with the subject property, if any. The RECs identified by AKT Peerless are summarized below.

- Parcel F consisted of a coal and lumber storage yard beginning in at least 1884. The subject property was used as a powerhouse from at least 1887 until 1930 when the building was converted to a steel warehouse. The subject property remained a steel warehouse until 1952, when it became a steel fabricating facility with a paint room. According to the EDR Report, Parcel F was identified on the "open" LUST database due to a confirmed release of diesel fuel in September 1992. Analytical results of previous investigations indicate that SVOCs and metals were detected in soil and groundwater above MDEQ Part 201 Direct Contact

Criteria. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel F.

- Parcel G consisted of a coal and lumber storage yard from at least 1884 until a light industrial/manufacturing and warehouse facility was constructed between 1884 and 1897. Industrial activities were conducted at Parcel G until the building was vacated in the 1970s, and was demolished in the 2000s. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel G.
- AKT Peerless observed fill material on the ground surface of each of the subject property parcels. The origin of this material is not known. In addition, AKT Peerless observed what appears to be a former machine pit on Parcel F.
- Railroad tracks were located along the northern and western portions of Parcel A through G from at least 1884 until approximately 1977. Potential concerns typically associated with railroad tracks include the use of fill materials as ballast to support the ties and rails of the railroad tracks and leaks or spills of hazardous materials or petroleum products.
- Industrial activities were conducted on the northern (1370 Franklin Street) and the eastern (1500 E. Atwater Street) adjoining properties beginning in the 1800s. These northern and eastern adjoining properties were identified on the "open" LUST site database.

Refer to Appendix A for a copy of AKT Peerless' October 2006 Phase I ESA Report

2.3.3 AKT Peerless' December 2006 Phase II ESA

On December 7, 2006 and December 11, 2006, AKT Peerless conducted a subsurface investigation of the subject property (Parcels F and G) in accordance with AKT Peerless' Proposal for a Phase II Site Investigation (Proposal Number PD - 7465), dated October 31, 2006. AKT Peerless conducted a subsurface investigation to evaluate the environmental concerns identified during the Phase I ESA and previous environmental investigations. During the investigation, AKT Peerless (1) completed a geophysical survey, (2) drilled 14 soil borings, (3) installed 9 temporary groundwater monitoring wells, (4) collected 15 soil samples and 9 groundwater samples, and (5) submitted samples for laboratory analysis. Samples were submitted for select laboratory analysis including VOCs, polynuclear aromatic hydrocarbons (PNAs), Michigan Metals, and/or PCBs. AKT Peerless performed a qualitative evaluation of all soil samples collected during drilling and a quantitative analysis (laboratory analysis) of discrete soil and groundwater samples.

Results

Soil Analytical Results

AKT Peerless submitted 15 soil samples for laboratory analysis. The following table summarizes the soil boring locations, the analytes detected, and their respective exceeded MDEQ GRCC.

Soil Boring Location & Depth	Parameter	DWP	SVIAI	VSIC	PSI	DC	GSIP
B-19 (18-20')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
B-21 (3-5')	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-22 (0-0.5')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
	Tetrachloroethylene	<input checked="" type="checkbox"/>					
	Trichloroethylene	<input checked="" type="checkbox"/>					
B-23 (6-8')	Arsenic	<input checked="" type="checkbox"/>					
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-25 (4-6')	Arsenic					<input checked="" type="checkbox"/>	
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-26 (6-8')	Arsenic					<input checked="" type="checkbox"/>	
	Selenium						<input checked="" type="checkbox"/>
B-27 (3-5')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-28 (0-0.5')	Arsenic	<input checked="" type="checkbox"/>					
B-28 (2-4')	Arsenic	<input checked="" type="checkbox"/>					
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-30 (4-6')	Arsenic	<input checked="" type="checkbox"/>					
B-32 (1-3')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	

No other parameters were detected above GRCC. Refer to Table 1 for a summary of soil analytical results. Refer to Appendix B for a complete analytical laboratory report. See Figure 3 for the site map with soil analytical results exceeding MDEQ GRCC.

Groundwater Analytical Results

AKT Peerless submitted 9 groundwater samples for laboratory analysis. The laboratory analytical results indicate that no parameters were detected above at concentrations above MDEQ GRCC. Refer to Table 2 for a summary of groundwater analytical results. Refer to Appendix B for a complete analytical laboratory report.

Conclusion

Based on the laboratory results, the subject property does meet the definition of a "facility", as defined in Part 201.

3.0 PROPERTY DESCRIPTIONS AND INTENDED HAZARDOUS SUBSTANCE USE

Presented in the sections below are (1) the property description, (2) a summary of intended land use, and (3) intended hazardous substance use activities. See Figure 1 for a topographic site map, and Figure 2 for the subject property, utility, and soil boring location map.

3.1 PROPERTY DESCRIPTION

The subject property is located at 1461 through 1471 East Atwater Street (Parcels F and G) between Rivard and Riopelle Streets in Detroit, Wayne County, Michigan. The subject property consists of a 1.39-acre rectangular-shaped parcel (Ward Item Numbers 7/000007) and a 2.48-acre rectangular-shaped parcel (Ward Item Number (7/000008)). The subject property is currently vacant land, and is located in a commercial and industrial area of Detroit, Michigan. The subject property is zoned SD4 (Special Development District, Riverfront Mixed Use). See Figure 1 for a topographic site map of the subject property. See Figure 2 for the subject property, utility, and soil boring location map with soil boring locations. See Appendix C for a legal description.

3.2 INTENDED LAND USE

@water Lofts, LLC intends to construct a mixed-use commercial and residential building, with first-floor retail and upper-story residential units. @water Lofts, LLC does not intend to use,

manage, or store significant quantities of hazardous substances at the subject property. Refer to Appendix F for a Draft Development Plan.

3.3 INTENDED HAZARDOUS SUBSTANCE USE

The intended future use of the subject property at this time by @water Lofts, LLC is for mixed-use commercial and residential developments. No known use or storage of hazardous materials has been identified at this time. This will be the basis of establishing a new release from an existing contamination.

3.4 PREVIOUS BASELINE ENVIRONMENTAL ASSESSMENTS

AKT Peerless is not aware of any previous Baseline Environmental Assessments that have been prepared for the subject property. However, the City of Detroit retained Enviro Matrix to prepare a Category N BEA for the southeastern adjoining property, known as @water South (Parcel H). This BEA was prepared as a disclosure (BEA Number 2932), and received by MDEQ on October 12, 2005.

4.0 KNOWN CONTAMINATION

The following sections present (1) known hazardous substances at the facility, (2) the criteria for defining the subject property as a facility, and (3) identification of the general locations of contamination.

4.1 HAZARDOUS SUBSTANCES AT THE FACILITY

Based on the analytical results from environmental subsurface investigations conducted at the subject property, the following hazardous substances were detected above the laboratory method detection limits in samples collected from the subject property:

HAZARDOUS SUBSTANCE	CAS #	HAZARDOUS SUBSTANCE	CAS #
Toluene	108883	Ethylbenzene	100414

HAZARDOUS SUBSTANCE	CAS #	HAZARDOUS SUBSTANCE	CAS #
n-Butylbenzene	104518	Xylenes	1330207
1,2,4-Trimethylbenzene	95636	Trichloroethylene	79016
Benzo (a) anthracene	56553	sec-Butylbenzene	135988
Benzo (a) pyrene	50328	Acenaphthene	83329
Benzo (b) fluoranthene	205992	Anthracene	120127
Benzo (g,h,i) perylene	191242	Fluoranthene	206440
Benzo (k) fluoranthene	207089	Fluorene	86737
Phenanthrene	85018	Indeno (1,2,3-c,d) pyrene	193395
Pyrene	129000	Naphthalene	91203
Arsenic	7440382	2-Methylnaphthalene	91576
Barium	7440393	Dibenzo (a,h) anthracene	53703
Lead	7439921	Chrysene	218019
Mercury	Varies	Chromium (total)	16065831
Cadmium	7440439	Copper	7440508
Tetrachloroethylene	127184	Selenium	7782492
Di-n-butyl phthalate	84742	Silver	7440224
Bis (2-ethylhexyl) phthalate	117817	Zinc	7440666
Dibenzofuran	53703	Carbazole	86748
Cyanide	57125		

See Table 1 for a summary of soil analytical results. See Table 2 for a summary of groundwater analytical results. Refer to the attachment for a CD of previous environmental investigations.

4.2 CRITERIA FOR DEFINING PROPERTY AS A FACILITY

Based on the laboratory analytical results, the following compounds were detected above applicable MDEQ Generic Residential Criteria:

HAZARDOUS SUBSTANCE	CAS #
Arsenic	7440382
Mercury	Varies
Selenium	7782492
Tetrachloroethylene	127184
Trichloroethylene	79016

In addition, concentrations of VOCs, SVOCs, and Michigan metals were detected above MDEQ GRCC during a subsurface investigation conducted in 1998. Therefore, the property meets the definition of a 'facility' as defined by Part 201 of NREPA, Michigan PA 451, of 1994, as amended. See Table 1 for a summary of soil analytical results. See Table 2 for a summary of groundwater analytical results. Refer to the attachment for a CD of previous environmental investigations.

4.3 IDENTIFICATION OF GENERAL LOCATIONS OF CONTAMINATION

The known contamination was detected in the shallow soil and fill material, which was encountered throughout the subject property to varying depths up to approximately 12 feet below ground surface. Concentrations of trichloroethylene, tetrachloroethylene; and metals (i.e, arsenic, mercury, and selenium) were detected in this fill material.

Groundwater was encountered at depths ranging from 3 to 10 feet below ground surface. Based on conditions encountered during this investigation, shallow groundwater conditions typically consisted of shallow, perched groundwater encountered in fill material above native clay. However, target parameters were not detected in groundwater at concentrations above MDEQ GRCC.

5.0 LIKELIHOOD OF OTHER CONTAMINATION

AKT Peerless' Phase II ESA was conducted to address the recognized environmental conditions identified during the Phase I ESA and previous investigations. Several soil borings were drilled

across the subject property. Soil samples were collected from these soil borings and submitted for laboratory analyses. Based on laboratory analytical results, concentrations of metals were detected in the soil samples above the MDEQ Generic Residential Cleanup Criteria. The extent of this contamination has not been defined. Further, the results of the GPR survey indicated nine anomalies were detected beneath Parcel F.

Based on this information and the long industrial history of the subject property, it is possible that additional contamination is present. However, (1) the contaminant concentrations were relatively low when compared to the residential category cleanup criteria and (2) the contamination appears to be limited to the fill material. Any additional contamination present may likely be limited to fill and consistent with the low levels previously identified.

6.0 ALTERNATIVE APPROACHES

No alternative approaches are proposed.

7.0 CONCLUSIONS

@water Lofts, LLC retained AKT Peerless to prepare this Category N BEA for the subject property. The purpose of the BEA is to (a) provide an independent, professional evaluation and opinion regarding existing environmental conditions associated with the subject property, and (b) maintain a liability exemption for cleanup of existing contamination. As part of this BEA, AKT Peerless was retained to disclose this information to the MDEQ demonstrating that @water Lofts, LLC meets the requirements for an exemption of liability for the cleanup of existing contamination under Section 20126 (1)(c). Proposed use of the subject property satisfies @water Lofts, LLC's obligations under Section 20107a.

The future use of the property will not include the use, storage, handling, or management of significant quantities of hazardous substances, and this is the basis to distinguish potential future hazardous substance releases from contamination already existing on the property.

8.0 REFERENCES

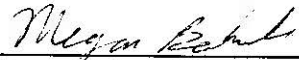
The following is a list of reference material not included in this document:

- Part 201 of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended
- Part 213 of the Natural Resources and Environmental Protection Act, Public Act 451, of 1994, as amended
- MDEQ Remediation and Redevelopment Division Operational Memorandum #1, dated January 23, 2006
- MDEQ Instructions for Preparing and Disclosing Baseline Environmental Assessments and Section 7a Compliance Analyses, March 11, 1999

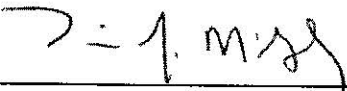
9.0 SIGNATURE PAGE

AKT Peerless Environmental Services prepared this BEA on behalf of @water Lofts, LLC for the property located at 1461 through 1471 East Atwater Street (Parcels F and G) between Rivard and Riopelle Streets in Detroit, Michigan. AKT Peerless' scope of work is based on Section 20126(1)(c) of Part 201 of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended, and MDEQ *Instructions for Preparing and Disclosing Baseline Environmental Assessments and Section 7a Compliance Analyses*, dated March 11, 1999.

AKT PEERLESS ENVIRONMENTAL SERVICES



Megan Bahorski
Environmental Consultant
Environmental Engineering Services

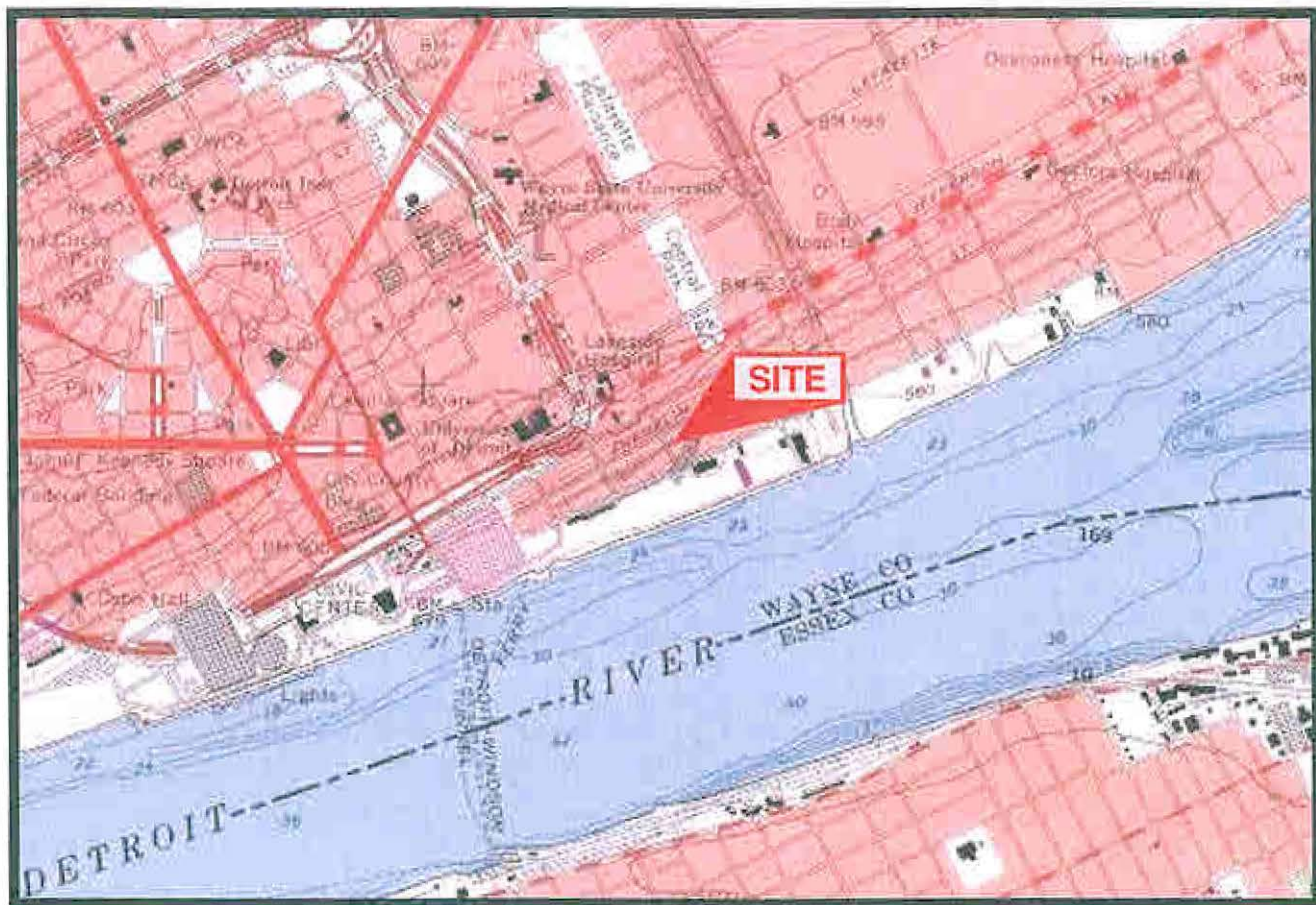


Timothy J. McGahey, CHMM
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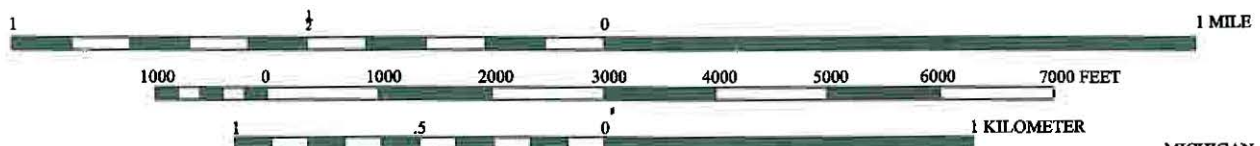
December 15, 2006

FIGURES

7.5 MINUTE SERIES (TOPOGRAPHIC)



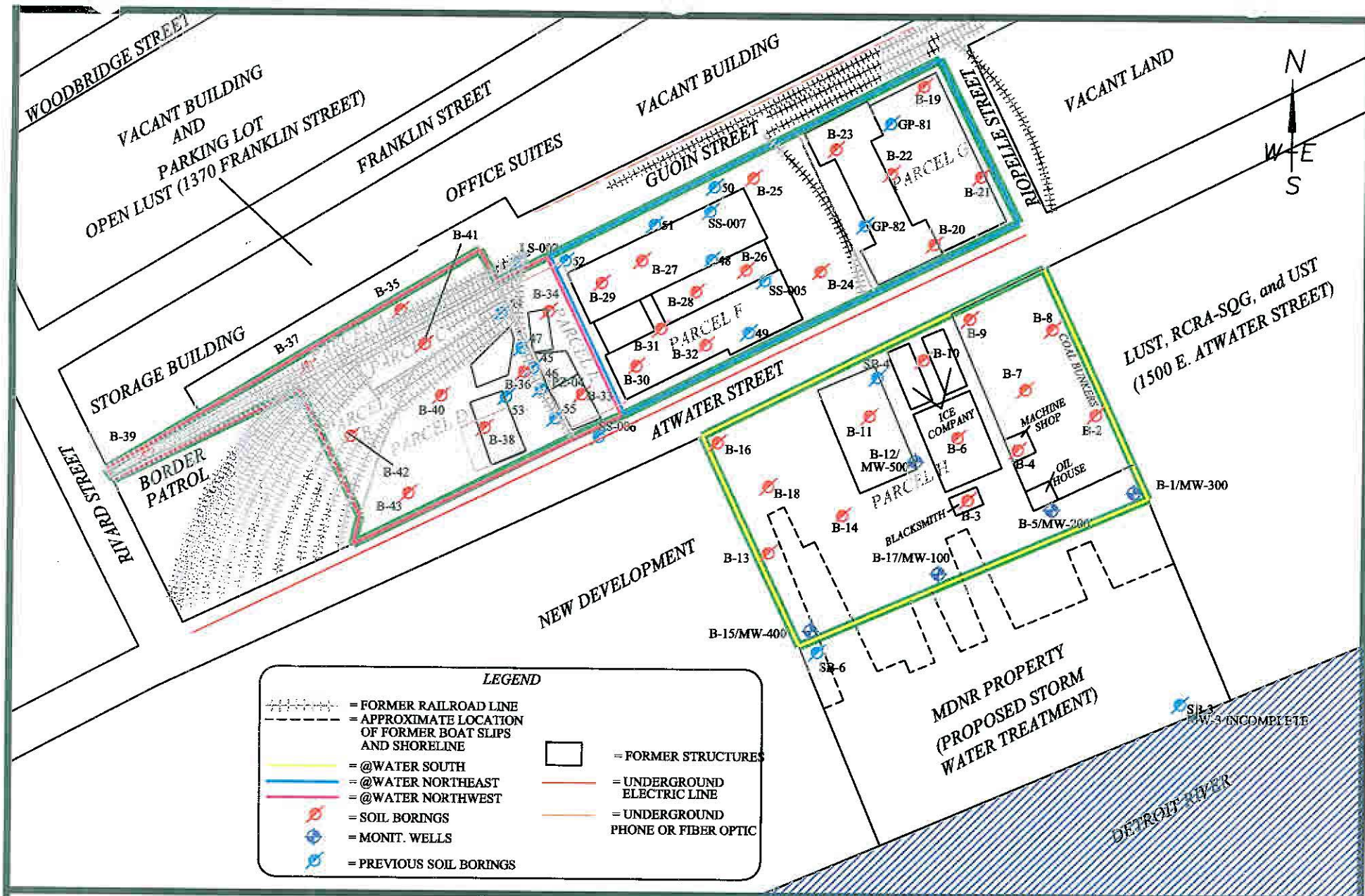
T.2 S. - R.12 E.



CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

IMAGE TAKEN FROM 1968 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1973 AND 1980





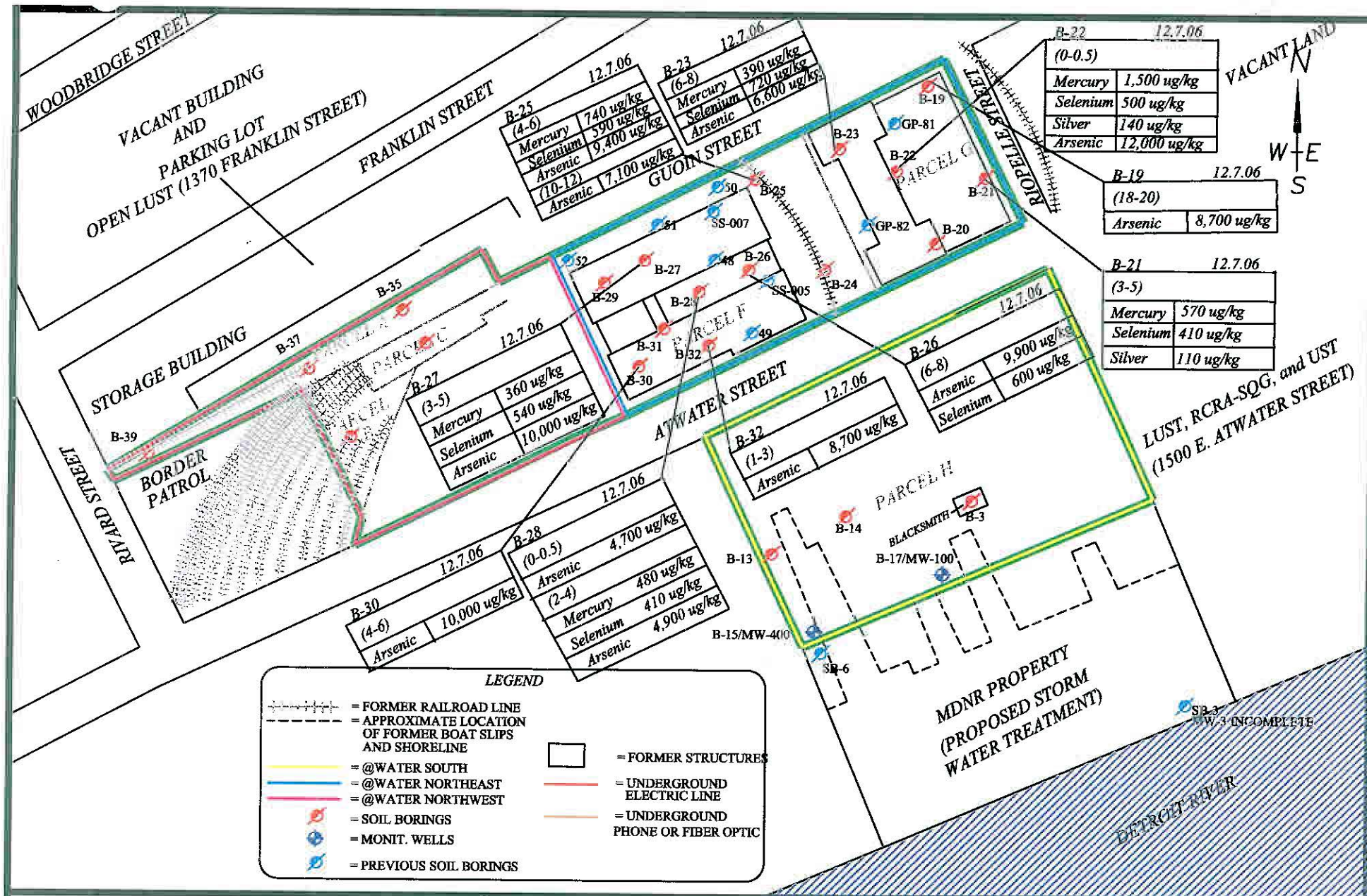
AKTPEERLESS
environmental services

SUBJECT PROPERTY, UTILITY,
AND SOIL BORING LOCATION MAP
@WATER LOFTS
(NORTHEAST)
ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER : 5133D

DRAWN BY: MB
DATE: 12-14-06

0 75 150
SCALE: 1" = 150'±

FIGURE 2



AKTPEERLESS
environmental services

**SITE MAP WITH SOIL ANALYTICAL
RESULTS EXCEEDING MDEQ-GRCC
@WATER LOFTS
(NORTHEAST)
ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER : 5133D**

DRAWN BY: MB
DATE: 12.14.06

0 75 150
SCALE: 1" = 150' ±

FIGURE 3

TABLES

Table I
Summary of Soil Analytical Results
Atwater Lots
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Statewide Default Background Levels	Groundwater Protection			Indoor Air	Ambient Air (Y)		Direct Contact	Groundwater Protection				Indoor Air	Ambient Air (Y)		B-19 (18-20feet) 12.7.06	B-20 (7-9 feet) 12.7.06	B-21 (3-5 feet) 12.7.06	B-22 (0-0.5 feet) 12.7.06	B-22 (5-7 feet) 12.7.06	
			Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria & RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria & RBSLs	Residential and Commercial I Direct Contact Criteria & RBSLs	Residential Drinking Water Protection Criteria & RBSLs	Industrial and Commercial Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Particulate Soil Inhalation Criteria & RBSLs						
Analytes		CAS#																				
Volatile Organic Compounds (VOCs) (ug/Kg)																						
Benzene (I)	71432	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5	100	100	4,000 (X)	2.2E+5	8,400	45,000	4.7E+8	ND	ND	ND	ND	ND	
n-Butylbenzene	104518	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6	1,600	4,600	ID	1.2E+5	ID	ID	ID	ND	ND	ND	ND	ND	
sec-Butylbenzene	135988	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6	1,600	4,600	ID	88,000	ID	ID	ID	ND	ND	ND	ND	ND	
Ethylbenzene (I)	100414	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)	1,500	1,500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+6	1.3E+10	ND	ND	ND	ND	ND	
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND	
n-Propylbenzene (I)	103651	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6	1,600	4,600	NA	3.0E+5	ID	ID	5.9E+8	ND	ND	ND	ND	ND	
Toluene (I)	108883	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)	16,000	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	3.3E+6	1.2E+10	ND	ND	ND	ND	ND	
Tetrachloroethylene	127184	NA	100	900 (X)	88,000 (C)	11,000	1.8E+5	5.4E+9	88,000 (C)	100	100	900 (X)	88,000 (C)	60,000	6.0E+5	6.8E+9	ND	ND	ND	160	ND	
Trichloroethylene	79016	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.8E+9	5.0E+5 (C,DD)	100	100	4,000 (X)	4.4E+5	37,000	2.6E+5	2.3E+9	ND	ND	ND	170	ND	
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)	2,100	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.5E+7	3.6E+10	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)	1,800	1,800	1,100	94,000 (C)	94,000 (C)	1.9E+7	3.6E+10	ND	ND	ND	ND	ND	
Xylenes (I)	1330207	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)	5,600	5,600	700	1.5E+5 (C)	1.5E+5 (C)	5.4E+7	1.3E+11	ND	ND	ND	ND	ND	
Remaining VOCs		Varies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																						
Acenaphthene	83329	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7	3.0E+5	8.8E+5	4,400	9.7E+5	3.5E+8	9.7E+7	6.2E+9	ND	ND	ND	ND	ND	
Acenaphthylene	208968	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6	5,900	17,000	ID	4.4E+5	3.0E+6	2.7E+6	1.0E+9	ND	ND	ND	ND	ND	
Anthracene	120127	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8	41,000	41,000	ID	41,000	1.0E+9 (D)	1.6E+9	2.9E+10	ND	ND	ND	ND	ND	
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	740	ND	
Benzo(a)pyrene (Q)	50328	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000	NLL	NLL	NLL	NLL	NLV	NLV	1.9E+6	ND	ND	ND	650	ND	
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	NLL	ID	ID	ID	20,000	NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	850	ND	
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6	NLL	NLL	NLL	NLL	NLV	NLV	3.5E+8	ND	ND	ND	470	ND	
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	
Chrysene (Q)	218019	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6	NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	780	ND	
Dibenzo(a,h)anthracene (Q)	53703	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	
Fluoranthene	206440	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	7.3E+5	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	8.9E+8	4.1E+9	ND	ND	ND	1,400	ND	
Fluorene	86737	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7	3.9E+5	8.9E+5	5,300	8.9E+5	1.0E+9 (D)	1.5E+8	4.1E+9	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	490	ND	
2-Methylnaphthalene	91576	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6	57,000	1.7E+5	ID	5.5E+6	ID	ID	ID	ND	ND	ND	ND	ND	
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND	
Phenanthrene	85018	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6	56,000	1.6E+5	5,300	1.1E+6	5.1E+6	1.9E+5	2.9E+6	ND	ND	ND	1,200	ND	
Pyrene	129000	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	4.8E+5	4.8E+5	ID	4.8E+5	1.0E+9 (D)	7.8E+8	2.9E+9	ND	ND	ND	1,300	ND	
Total Metals Analysis (ug/Kg)																						
Arsenic	7440382	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600	4,600	4,600	70,000 (X)	2.0E+6	NLV	NLV	9.1E+5	8,700	3,000	2,800	12,000	3,600	
Barium (B)	7440393	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7	1.3E+6	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	52,000	37,000	72,000	630,000	37,000	
Cadmium (B)	7440439	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5	6,000	6,000	(G,X)	2.3E+8	NLV	NLV	2.2E+6	210	170	210	1,000	ND	
Chromium (total) (B,H)	16065831	18,000 (total)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	7.9E+8	1.0E+9 (D)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	18,000	15,000	9,900	36,000	8,800	
Copper (B)	7440508	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7	5.8E+6	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	5.9E+7	19,000	14,000	35,000	170,000	3,600	
Lead (B)	7439921	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5	7.0E+5	7.0E+5	(G,X)	ID	NLV	NLV	4.4E+7	13,000	12,000	53,000	140,000	4,200	
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 12	47,000	48,000	52,000	2.0E+7	1.6E+5	1,700	1,700	50 (M); 12	47,000	89,000	62,000	8.8E+6	ND	ND	570	1,500	ND	
Selenium (B)	7782492	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6	4,000	4,000	400	7.8E+7	NLV	NLV	5.9E+7	230	260	410	500	ND	
Silver (B)	7440224	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6	4,500	13,000	100 (M); 27	2.0E+8	NLV	NLV	2.9E+6	ND	ND	110	140	ND	
Zinc (B)	7440666	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8	2.4E+6	5.0E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	55,000	54,000	62,000	320,000	7,700	
Polychlorinated biphenyls (PCBs) (J,T)																						
Polychlorinated biphenyls (PCBs) (J,T)	1336363	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NLL	NLL	NLL	NLL	1.6E+7	8.1E+5	6.5E+6	NA	NA	NA	NA	NA	

Notes:

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

C - Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}.

D - Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

X - The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

ID - Insufficient data to develop criterion.

NA - Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

NLL - Hazardous substance is not likely to leach under most soil conditions.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

µg/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 1
Summary of Soil Analytical Results
Atwater Leaks
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Statewide Default Background Levels	Groundwater Protection			Indoor Air	Ambient Air (Y)			Direct Contact	Groundwater Protection				Indoor Air	Ambient Air (Y)			B-23 (6-8 feet) 12.7.06	B-24 (5-7 feet) 12.7.06	B-25 (4-6 feet) 12.7.06	B-25 (10-12 feet) 12.7.06	B-26 (6-8 feet) 12.7.06
			Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria & RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria & RBSLs	Residential and Commercial I Direct Contact Criteria & RBSLs	Residential Drinking Water Protection Criteria & RBSLs	Industrial and Commercial Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Particulate Soil Inhalation Criteria & RBSLs							
Analytes	CAS#																						
Volatile Organic Compounds (VOCs) (ug/Kg)																							
Benzene (I)	71432	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5	100	100	4,000 (X)	2.2E+5	8,400	45,000	4.7E+8							
n-Butylbenzene	104518	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6	1,600	4,600	ID	1.2E+5	ID	ID	ID	ND	ND	ND	ND	ND	ND	
sec-Butylbenzene	135988	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6	1,600	4,600	ID	88,000	ID	ID	ID	180	ND	ND	ND	ND	ND	
Ethylbenzene (I)	100414	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)	1,500	1,500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+6	1.3E+10	100	ND	ND	ND	ND	ND	
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	91203	ND	ND	77	ND	ND	
n-Propylbenzene (I)	103651	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6	1,600	4,600	NA	3.0E+5	ID	ID	ID	ND	ND	ND	ND	ND	ND	
Toluene (I)	108883	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)	16,000	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	3.3E+6	1.2E+10	ND	ND	ND	ND	ND	ND	
Tetrachloroethylene	127184	NA	100	900 (X)	88,000 (C)	11,000	1.8E+5	5.4E+9	88,000 (C)	100	100	900 (X)	88,000 (C)	60,000	6.0E+5	6.8E+9	ND	ND	250	ND	ND	ND	
Trichloroethylene	79016	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.8E+9	5.0E+5 (C,DD)	100	100	4,000 (X)	4.4E+5	37,000	2.6E+5	2.3E+9	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)	2,100	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.5E+7	3.6E+10	ND	ND	200	ND	ND	ND	
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)	1,800	1,800	1,100	94,000 (C)	94,000 (C)	1.9E+7	3.6E+10	ND	ND	ND	ND	ND	ND	
Xylenes (I)	1330207	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)	5,600	5,600	700	1.5E+5 (C)	1.5E+5 (C)	5.4E+7	1.3E+11	ND	ND	ND	ND	ND	ND	
Remaining VOCs	Varies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	590	ND	ND	220	
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																							
Acenaphthene	83329	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7	3.0E+5	8.8E+5	4,400	9.7E+5	3.5E+8	9.7E+7	6.2E+9	ND	ND	ND	ND	ND	ND	
Acenaphthylene	208968	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6	5,900	17,000	ID	4.4E+5	3.0E+6	2.7E+6	1.0E+9	ND	ND	ND	ND	ND	ND	
Anthracene	120127	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8	41,000	41,000	ID	41,000	1.0E+9 (D)	1.6E+9	2.9E+10	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene (Q)	50328	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	NLL	ID	ID	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	1.9E+6	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	3.5E+8	ND	ND	ND	ND	ND	ND	
Chrysene (Q)	218019	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	
Dibenzo(a,h)anthracene (Q)	53703	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+6	NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND	ND	
Fluoranthene	206440	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	7.3E+5	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	8.9E+8	4.1E+9	ND	ND	ND	ND	ND	ND	
Fluorene	86737	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7	3.9E+5	8.9E+5	5,300	8.9E+5	1.0E+9 (D)	1.5E+8	4.1E+9	ND	ND	ND	ND	ND	360	
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	91576	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6	57,000	1.7E+5	ID	5.5E+6	ID	ID	ID	ND	ND	ND	ND	ND	ND	
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	620	ND	ND	ND	
Phenanthrene	85018	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6	56,000	1.6E+5	5,300	1.1E+6	5.1E+6	1.9E+5	2.9E+6	770	ND	ND	440	ND	ND	
Pyrene	129000	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	4.8E+5	4.8E+5	ID	4.8E+5	1.0E+9 (D)	7.8E+8	2.9E+9	400	ND	ND	ND	ND	ND	
Total Metals Analysis (ug/Kg)																							
Arsenic	7440382	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600	4,600	4,600	70,000 (X)	2.0E+6	NLV	NLV	9.1E+5	6,600	1,300	9,400	7,100	9,900		
Barium (B)	7440393	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7	1.3E+6	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	96,000	9,300	85,000	54,000	130,000		
Cadmium (B)	7440439	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5	6,000	6,000	(G,X)	2.3E+8	NLV	NLV	2.2E+6	420	62	170	210	290		
Chromium (total) (B,H)	16065831	18,000 (total)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	7.9E+8	1.0E+9 (D)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	15,000	4,900	17,000	16,000	14,000		
Copper (B)	7440508	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7	5.8E+6	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	5.9E+7	69,000	3,300	52,000	19,000	37,000		
Lead (B)	7439921	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5	7.0E+5	7.0E+5	(G,X)	ID	NLV	NLV	4.4E+7	55,000	3,700	94,000	15,000	58,000		
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5	1,700	1,700	50 (M); 1.2	47,000	89,000	62,000	8.8E+6	390	ND	740	ND	ND		
Selenium (B)	7782492	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6	4,000	4,000	400	7.8E+7	NLV	NLV	5.9E+7	720	ND	590	390	600		
Silver (B)	7440224	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6	4,500	13,000	100 (M); 27	2.0E+8	NLV	NLV	2.9E+6	ND	ND	ND	ND	ND		
Zinc (B)	7440666	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8	2.4E+6	5.0E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	100,000	13,000	58,000	46,000	98,000		
Polychlorinated biphenyls (PCBs) (J,T)																							
Polychlorinated biphenyls (PCBs) (J,T)	1336363	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NLL	NLL	NLL	NLL	1.6E+7	8.1E+5	6.3E+6	NA	NA	ND	NA	NA	NA	

Notes:

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

C - Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}.

D - Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

X - The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

ID - Insufficient data to develop criterion.

NA - Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

NLL - Hazardous substance is not likely to leach under most soil conditions.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect.

ug/Kg - micrograms per Kilogram.

bold - Parameter exceeds indicated criterion.

Table 1
Summary of Soil Analytical Results
Atwater Lofts
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Statewide Default Background Levels	Groundwater Protection			Indoor Air	Ambient Air (Y)		Direct Contact	Groundwater Protection				Indoor Air	Ambient Air (Y)		B-27 (3-5 feet) 12.7.06	B-28 (0-0.5 feet) 12.7.06	B-28 (2-4 feet) 12.7.06	B-30 (4-6 feet) 12.7.06	B-32 (1-3 feet) 12.7.06				
			Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria & RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria & RBSLs	Residential and Commercial I Direct Contact Criteria & RBSLs	Residential Drinking Water Protection Criteria & RBSLs	Industrial and Commercial Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Particulate Soil Inhalation Criteria & RBSLs									
Analytes	CAS#																								
Volatile Organic Compounds (VOCs) (ug/Kg)																									
Benzene (I)	71432	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5		100	100	4,000 (X)	2.2E+5	8,400	45,000	4.7E+8	ND	ND	ND	ND	ND			
n-Butylbenzene	104518	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6		1,600	4,600	ID	1.2E+5	ID	ID	ID	ND	ND	ND	ND	ND			
sec-Butylbenzene	135988	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6		1,600	4,600	ID	88,000	ID	ID	ID	ND	ND	ND	ND	ND			
Ethylbenzene (I)	100414	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)		1,500	1,500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+6	1.3E+10	ND	ND	ND	ND	ND			
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND			
n-Propylbenzene (I)	103651	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6		1,600	4,600	NA	3.0E+5	ID	ID	5.9E+8	ND	ND	ND	ND	ND			
Toluene (I)	108883	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)		16,000	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	3.3E+6	1.2E+10	ND	ND	ND	69	68			
Tetrachloroethylene	127184	NA	100	900 (X)	88,000 (C)	11,000	1.8E+5	5.4E+9	88,000 (C)		100	100	900 (X)	88,000 (C)	60,000	6.0E+5	6.8E+9	ND	ND	ND	ND	ND			
Trichloroethylene	79016	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.8E+9	5.0E+5 (C,DD)		100	100	4,000 (X)	4.4E+5	37,000	2.6E+5	2.3E+9	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)		2,100	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.5E+7	3.6E+10	ND	ND	ND	ND	120			
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)		1,800	1,800	1,100	94,000 (C)	94,000 (C)	1.9E+7	3.6E+10	ND	ND	ND	ND	ND			
Xylenes (I)	1330207	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)		5,600	5,600	700	1.5E+5 (C)	1.5E+5 (C)	5.4E+7	1.3E+11	ND	ND	ND	ND	290			
Remaining VOCs	Varies	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	ND	ND	ND	ND	ND			
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																									
Acenaphthene	83329	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7		3.0E+5	8.8E+5	4,400	9.7E+5	3.5E+8	9.7E+7	6.2E+9	ND	ND	ND	ND	ND			
Acenaphthylene	208968	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6		5,900	17,000	ID	4.4E+5	3.0E+6	2.7E+6	1.0E+9	ND	ND	ND	ND	ND			
Anthracene	120127	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8		41,000	41,000	ID	41,000	1.0E+9 (D)	1.6E+9	2.9E+10	ND	ND	ND	ND	ND			
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND			
Benzo(a)pyrene (Q)	50328	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000		NLL	NLL	NLL	NLL	NLV	NLV	1.9E+6	ND	ND	ND	ND	ND			
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	NLL	ID	ID	ID	20,000		NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND			
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6		NLL	NLL	NLL	NLL	NLV	NLV	3.5E+8	ND	ND	ND	ND	ND			
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND			
Chrysene (Q)	218019	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6		NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND			
Dibenz(a,h)anthracene (Q)	53703	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND			
Fluoranthene	206440	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7		7.3E+5	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	8.9E+8	4.1E+9	ND	510	ND	ND	ND			
Fluorene	86737	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7		3.9E+5	8.9E+5	5,300	8.9E+5	1.0E+9 (D)	1.5E+8	4.1E+9	ND	ND	ND	ND	ND			
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND			
2-Methylnaphthalene	91576	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6		57,000	1.7E+5	ID	5.5E+6	ID	ID	ID	ND	ND	ND	ND	ND			
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND			
Phenanthrene	85018	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6		56,000	1.6E+5	5,300	1.1E+6	5.1E+6	1.9E+5	2.9E+6	ND	ND	ND	ND	ND			
Pyrene	129000	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7		4.8E+5	4.8E+5	ID	4.8E+5	1.0E+9 (D)	7.8E+8	2.9E+9	ND	ND	ND	ND	ND			
Total Metals Analysis (ug/Kg)																									
Arsenic	7440382	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600		4,600	4,600	70,000 (X)	2.0E+6	NLV	NLV	9.1E+5	10,000	4,700	4,900	7,500	8,700			
Barium (B)	7440393	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7		1.3E+6	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	1.50E+08	120,000	69,000	98,000	82,000	53,000			
Cadmium (B)	7440439	6,000	2.3E+8	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5		6,000	6,000	(G,X)	2.3E+8	NLV	NLV	2.2E+6	340	420	760	190	280			
Chromium (total) (B,H)	16065831	18,000 (total)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	7.9E+8		1.0E+9 (D)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	9,700	12,000	15,000	11,000	13,000			
Copper (B)	7440308	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7		5.8E+6	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	5.9E+7	74,000	17,000	24,000	15,000	14,000			
Lead (B)	7439921	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5		7.0E+5	7.0E+5	(G,X)	ID	NLV	NLV	4.4E+7	180,000	63,000	100,000	13,000	33,000			
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5		1,700	1,700	50 (M); 1.2	47,000	89,000	62,000	8.8E+6	360	ND	480	ND	ND			
Selenium (B)	7782492	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6		4,000	4,000	400	7.8E+7	NLV	NLV	5.9E+7	540	350	410	ND	250			
Silver (B)	7440224	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6		4,500	13,000	100 (M); 27	2.0E+8	NLV	NLV	2.9E+6	ND	ND	ND	ND	ND			
Zinc (B)	7440666	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8		2.4E+6	5.0E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	200,000	88,000	160,000	41,000	54,000			
Polychlorinated biphenyls (PCBs) (J,T)																									
Polychlorinated biphenyls (PCBs) (J,T)	1336363	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)		NLL	NLL	NLL	NLL	1.6E+7	8.1E+5	6.5E+6	ND	NA	NA	ND	ND			

Notes:

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

C - Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}.

D - Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

X - The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

ID - Insufficient data to develop criterion.

NA - Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

NLL - Hazardous substance is not likely to leach under most soil conditions.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

ug/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 2
Summary of Groundwater Analytical Results
Atwater Lofts
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Residential & Commercial I Drinking Water Criteria & RBSLs	Industrial & Commercial II, III & IV Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	B-19W 12/7/2006	B-20W 12/7/2006	B-21W 12/7/2006	B-23W 12/7/2006	B-24W 12/7/2006
Analytes	CAS#											
Volatile Organic Compounds (VOCs) (ug/L)												
sec-Butylbenzene	135988	80	230	ID	ID	ID	4,400	ND	ND	ND	ND	ND
tert-Butylbenzene (I)	98066	80	230	ID	ID	ID	8,900	ND	ND	ND	ND	ND
Isopropyl benzene	98828	800	2,300	ID	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	ND	ND	ND
Toluene (I)	108883	790 (E)	790 (E)	140	5.3E+5 (S)	5.3E+5 (S)	5.3E+5 (S)	ND	ND	1.8	ND	ND
1,2,4-Trimethylbenzene (I)	95636	63 (E)	63 (E)	17	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	1.3	ND	ND
1,3,5-Trimethylbenzene (I)	108678	72 (E)	72 (E)	45	61,000 (S)	61,000 (S)	61,000 (S)	ND	ND	ND	ND	ND
Remaning VOCs	Varies	-	-	-	-	-	-	ND	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/L)												
PNAs	Varies	-	-	-	-	-	-	ND	ND	ND	ND	ND
Total Metals Analysis (ug/L)												
Cadmium (B)	7440439	5.0 (A)	5.0 (A)	(G,X)	NLV	NLV	1.9E+5	NA	NA	NA	NA	NA
Chromium (III) (B,H)	16065831	100 (A)	100 (A)	(G,X)	NLV	NLV	2.9E+8	NA	NA	NA	NA	NA
Lead (B)	7439921	4.0 (L)	4.0 (L)	(G,X)	NLV	NLV	ID	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (ug/L)		-	-	-	-	-	-	NA	NA	NA	NA	NA

Notes:

A - Criterion is the state of Michigan drinking water standard established pursuant to section 5 of 1976 PA 399, MCL 325.1005.

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection at the Lansing office of the department, 525 West Allegan Street, Lansing, Michigan.

L - Criteria for lead are derived using a biologically based model, as allowed for under section 20120a(10) of the act, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

S - Criterion defaults to the hazardous substance-specific water solubility limit.

Z - Mercury is typically measured as total mercury.

AA - Comparison to these criteria may take into account an evaluation of whether the hazardous substances are absorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

ID - Insufficient data to develop criterion.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

ng/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 2
Summary of Groundwater Analytical Results
 Atwater Lofts
 Atwater Street
 Detroit, Michigan
 AKT Peerless Project Number
 5133D2-7-20

Sample Identification and Date		Residential & Commercial I Drinking Water Criteria & RBSLs	Industrial & Commercial II, III & IV Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	B-27W 12/7/2006	B-28W 12/7/2006	B-30W 12/7/2006	B-31W 12/7/2006
Analytes	CAS#										
Volatile Organic Compounds (VOCs) (ug/L)											
sec-Butylbenzene	135988	80	230	ID	ID	ID	4,400	ND	ND	ND	ND
tert-Butylbenzene (I)	98066	80	230	ID	ID	ID	8,900	ND	ND	ND	ND
Isopropyl benzene	98828	800	2,300	ID	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	ND	ND
Toluene (I)	108883	790 (E)	790 (E)	140	5.3E+5 (S)	5.3E+5 (S)	5.3E+5 (S)	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	63 (E)	63 (E)	17	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	72 (E)	72 (E)	45	61,000 (S)	61,000 (S)	61,000 (S)	ND	ND	ND	ND
Remaining VOCs	Varies	-	-	-	-	-	-	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/L)											
PNAs	Varies	-	-	-	-	-	-	ND	ND	ND	ND
Total Metals Analysis (ug/L)											
Cadmium (B)	7440439	5.0 (A)	5.0 (A)	(G,X)	NLV	NLV	1.9E+5	NA	NA	NA	NA
Chromium (III) (B,H)	16065831	100 (A)	100 (A)	(G,X)	NLV	NLV	2.9E+8	NA	NA	NA	NA
Lead (B)	7439921	4.0 (L)	4.0 (L)	(G,X)	NLV	NLV	ID	NA	NA	NA	NA
Polychlorinated Biphenyls (ug/L)		-	-	-	-	-	-	ND	NA	NA	ND

Notes:

A - Criterion is the state of Michigan drinking water standard established pursuant to section 5 of 1976 PA 399, MCL 325.1005.

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection at the Lansing office of the department, 525 West Allegan Street, Lansing, Michigan.

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Z - Mercury is typically measured as total mercury.

AA - Comparison to these criteria may take into account an evaluation of whether the hazardous substances are absorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

ID - Insufficient data to develop criterion.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

ug/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

APPENDIX A
AKT Peerless' October 2006 Phase I ESA

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED @WATER LOFTS DEVELOPMENT
ATWATER STREET
DETROIT, MICHIGAN 48207**

prepared for

**DETROIT/WAYNE COUNTY PORT AUTHORITY
8109 EAST JEFFERSON AVENUE
DETROIT, MICHIGAN, 48214**

**AKT PEERLESS PROJECT NO. 5133D-1-17
OCTOBER 31, 2006**

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Appendix C	Reconnaissance Photographs
Appendix D	Standard Environmental Record Database Report
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PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROPOSED @WATER LOFTS DEVELOPMENT

ATWATER STREET

DETROIT, MICHIGAN 48214

AKT PEERLESS PROJECT NO. 5133D-1-17

1.0 INTRODUCTION

Detroit/Wayne County Port Authority (DWCPA) retained AKT Peerless Environmental Services (AKT Peerless) to conduct a Phase I Environmental Site Assessment (ESA) of eight, vacant parcels located on Atwater Street between Rivard and Riopelle Streets in Detroit, Wayne County, Michigan (subject property). Refer to Section 3.1 for a detailed description of the subject property parcels.

DWCPA was awarded United States Environmental Protection Agency (USEPA) Brownfield Assessment Grants to conduct environmental assessments of petroleum and hazardous substance sites. This Phase I ESA was conducted as part of the Hazardous Substance Assessment Grant on behalf of DWCPA and Belmar Development (Belmar). Belmar plans to redevelop the subject property with three, multi-story residential loft buildings with associated commercial tenant spaces. This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 CFR Part 312] and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-05* (ASTM Standard Practice E 1527-05).

1.1 PURPOSE

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)¹ and *historical recognized environmental conditions* (HRECs)² in connection with the subject property. Moreover, certain users of this Phase I ESA may be able to satisfy one of the environmental due diligence requirements to qualify for the innocent landowner defense to liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 and the Superfund Amendments and Reauthorization Act (SARA). This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs and HRECs in connection with the subject property.

¹ ASTM's Standard Practice E 1527-00 defines the term recognized environmental condition as the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate (1) an existing release, (2) a past release, or (3) a material threat of a release of a hazardous substance or petroleum product into structures on the subject property or into the ground, groundwater, or surface water of the subject property.

² ASTM defines the term historical recognized environmental condition (HREC) as an environmental condition which in the past would have been considered an REC, but which may or may not be considered an REC currently. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2 SCOPE OF SERVICES

AKT Peerless' scope-of-services is based on its proposal PD-7085, dated June 14, 2006, and the terms and conditions of that agreement. This Phase I ESA included the following:

- an inquiry of environmental conditions by an environmental professional.
- a review of specialized knowledge reported by the Client.
- a review of public and historical records, including those maintained by federal, state, tribal, and local government agencies.
- interviews with regulatory officials and personnel associated or knowledgeable with the subject property, including as appropriate past and present owners, or neighbors if the property is abandoned.
- a reconnaissance of the subject property and adjoining properties.

1.3 PROJECT RESOURCES

AKT Peerless referred to the following resources between July 5, 2006 and October 31, 2006 to complete its ESA:

- United States Environmental Protection Agency (USEPA), Region 5
- United States Geological Survey (USGS)
- United States Department of Agriculture (USDA) Soil Conservation Service
- Michigan Department of Environmental Quality (MDEQ)
- Wayne County Environmental Health Department
- Detroit Health Department
- Detroit Government Sources (e.g., assessing, building, fire, engineering departments, etc.)
- Terraserver (www.terraserverusa.com)
- MapTech (www.maptech.com)
- Southwest Michigan Council of Government (SEMCOG)
- Environmental Data Resources, Inc. (EDR)
- City Directories
- Interviews and Questionnaire Responses

1.4 SIGNIFICANT ASSUMPTIONS

During this Phase I ESA, AKT Peerless made the following significant assumptions:

- AKT Peerless assumed that the information provided by EDR in the regulatory database report is an accurate and complete representative summary of the information contained in the referenced regulatory agency records, except when such information is obviously contradicted by other data.
- AKT Peerless assumed that the information used to prepare this assessment that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives, or other

secondary sources was an accurate and complete representative summary of the information possessed by those individuals, representatives, or sources.

1.5 LIMITATIONS AND EXCEPTIONS

A list of general limitations and exceptions typically encountered when completing Phase I ESAs is provided in Appendix A. Along with the inherent limitations set forth in various sections of ASTM Standard Practice E 1527-00, the accuracy and completeness of this report may also be limited by the following project specific facts or conditions:

- Visual observations of the Parcels A through G (northern parcels) were limited by the presence of heavy vegetation.
- AKT Peerless attempted to contact Mr. Michael Dempsey, Project manager of the Detroit Economic Growth Corporation. However, at the completion of this ESA, AKT Peerless' has not received a response from Mr. Dempsey.
- AKT Peerless Freedom of Information (FOI) response from the MDEQ RRD indicates that a MDEQ file for the subject property does not exist. However, two of the subject property parcels (Parcel H and Parcel F) were listed on the Leaking Underground Storage Tank (LUST) database. This gap in historical information is considered *data failure* as provided in Section 7.3.2.3 of the ASTM Standard Practice For ESAs (E 1527).
- AKT Peerless' review of readily available standard and other historical sources provided only limited information regarding utilities associated with the former industrial buildings present on the subject property from between 1884 until the 2000s. This gap in historical information is considered *data failure* as provided in Section 7.3.2.3 of the ASTM Standard Practice For ESAs (E 1527).

Subject to the general limitations and exceptions listed in Appendix A and the referenced terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing this assignment and preparing this report in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages.

Should additional information become available to the Client that differs significantly from our understanding of conditions presented in this report, AKT Peerless requests that such information be forwarded immediately to our attention so that we may reassess the conclusions provided herein and amend this project's scope of services as necessary and appropriate.

1.6 SPECIAL TERMS AND CONDITIONS

To the best of AKT Peerless' knowledge, no special terms or conditions apply to the preparation of this Phase I ESA.

1.7 USER RELIANCE

AKT Peerless performed this Phase I ESA for the benefit of the Client. AKT Peerless acknowledges that this party may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, AKT Peerless makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

2.0 USER PROVIDED INFORMATION

AKT Peerless submitted a questionnaire to the Client (User) requesting information about the subject property and this Phase I ESA. At this time, AKT Peerless has not received the completed questionnaire. However, AKT Peerless conducted interviews with Mr. Dwight Belyue of Belmar Development (User). The following subsections summarize the information Mr. Belyue provided to AKT Peerless.

2.1 TITLE RECORDS

The Client did not provide recorded land title records to AKT Peerless.

2.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

The Client did not report knowledge of (1) environmental liens against the subject property, or (2) activity and use limitations, including institutional controls.

2.3 SPECIALIZED KNOWLEDGE

The Client did not report specialized knowledge or experience that is material to identifying environmental concerns in connection with the subject property, except as conveyed during interviews and/or in the following reports, which respectively document previous environmental investigations of the subject property:

- Phase I Environmental Site Assessment, prepared in May 1999 by Environmental Consulting and Technology Inc. (ECT) on behalf of The City of Detroit.
- Phase II Environmental Site Assessment, prepared in 1999 by ECT on behalf of the City of Detroit.
- Phase II Environmental Site Assessment, prepared in May 1999 by Roy F. Weston Inc. (Weston) on behalf of The City of Detroit.
- Updated Phase II Environmental Site Assessment, prepared in June 2005 by Enviro-Matrix (EM) on behalf of Economic Development Corporation, City of Detroit.
- Baseline Environmental Assessment, prepared in June 2005 by EM on behalf of the City of Detroit.

The contents of the previous environmental reports are summarized and discussed in Section 4.4.5.

2.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The Client did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues

2.5 REASON FOR PERFORMING THIS PHASE I ESA

According to the Client, this Phase I ESA was conducted as part of environmental due diligence related to the Client's purchase and redevelopment of the subject property.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The subject property is situated on the northern and southern side of E. Atwater Street between Riopelle and Rivard Streets in Detroit, Wayne County, Michigan. It consists of eight vacant rectangular-shaped parcels. For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations do not correspond to any legally recorded data pertaining to the subject property. The following table presents additional information regarding the subject property.

Parcel	Address	Tax Identification Number	Owner of Record	Approximate Acreage
A	1364 Franklin	5/000016	City of Detroit P&DD	0.34
B	1365 E. Atwater	5/000010	City of Detroit P&DD	0.22
C	1370 Guoin Street	5/000012	City of Detroit P&DD	0.10
D	1325 E. Atwater	5/000009	City of Detroit P&DD	0.71
E	1399 E. Atwater	5/000011	City of Detroit P&DD	0.29
F	1461-1469 E. Atwater	7/000007	City of Detroit P&DD	1.39
G	1471 E. Atwater	7/000008	City of Detroit P&DD	2.48
H	1470 E. Atwater Street	7/000005	City of Detroit P&DD	4.91

Refer to Figure 1, Subject Property Location Map; Figure 2, Topographic Location; Figure 3, Assessor's Parcel Map; Figure 4, Subject Property Map, and Figure 4A, Subject Property REC Map. The legal descriptions of the subject property are presented in Appendix B. Photographs taken during AKT Peerless' subject property reconnaissance are provided in Appendix C.

3.2 SUBJECT PROPERTY AND VICINITY CHARACTERISTICS

The subject property is currently vacant land consisting of some vegetative areas. Although currently vacant, a foundation associated with a former building is located on Parcel E. The subject property is located in an area of Detroit that is characterized by residential, commercial, and industrial property.

3.3 DESCRIPTION OF STRUCTURES AND OTHER IMPROVEMENTS

There are no structures on the subject property.

3.4 CURRENT USE OF THE SUBJECT PROPERTY

The subject property is currently vacant and not used for any specific purpose.

3.5 UTILITIES AND MUNICIPAL SERVICES

AKT Peerless identified the type and supplier of utilities and municipal services for the subject property. These services are described in the following table:

Utility / Service	Type	Utility Company or Municipality	Comments/Historical Services
Heat	Natural gas	DTE Energy	Historical use of coal and fuel oil Original natural gas connection date not determined.
Potable water	Municipal	City of Detroit	Available along E. Atwater Street and Riopelle Street since at least 1884.
Electricity	Electric lines	City of Detroit	Electricity has been provided since at least 1897.
Sewage disposal	Municipal	City of Detroit	Original connection date not determined.

Additional information regarding the referenced heat, water, and sewage utilities is presented in Section 4.4.

3.6 CURRENT USES OF THE ADJOINING PROPERTIES

The following table describes the current uses of the adjoining properties, identified occupants, and noteworthy observations of environmental concern, if any, that were noted during AKT Peerless' recent reconnaissance of the adjoining properties.

Adjoining Properties Parcels A through G			
Direction	Address	Current Use / Occupant	Potential Concerns
North	1360 Franklin Street	Commercial building / Storage	None observed
	1370 Franklin Street	Vacant building and associated parking lot	None observed
	1424 Franklin Street	Parking lot	None observed
	1438 Franklin Street	Commercial Building / Office Suites	None observed
	1450 Franklin Street	Vacant lot	None observed
	1460-1490 Franklin Street	Vacant Commercial Building	Fill port indicating current or former UST located at southeastern corner of the building.
	1651 Guoin Street	Vacant land and abandoned railroad tracks	Abandoned railroad tracks
Northeast	1651 Guoin Street	Vacant land and abandoned railroad tracks	Abandoned railroad tracks
East	1547 E. Atwater Street	Vacant land and abandoned railroad tracks	Abandoned railroad tracks
Southeast	1500 E. Atwater Street	Vacant land	None observed
South (Parcel H)	1340 E. Atwater Street	Vacant land	None observed
	1350 E. Atwater Street	Vacant land	None observed
	1420 E. Atwater Street	Vacant land	None observed
	1440 E. Atwater Street	Vacant land	None observed
	1470 E. Atwater Street	Vacant land	Coal was observed on the western portion of the property.
Southwest	1330 E. Atwater Street	Vacant land being developed	None observed
West	1303 E. Atwater Street	Border Patrol office and associated parking	None observed

Adjoining Properties Parcel H			
Direction	Address	Current Use / Occupant	Potential Concerns
North (Parcels A through G)	1461 E. Atwater Street	Vacant land	Fill material and indication of possible pit.
	1471 E. Atwater Street	Vacant land	Fill material
Northeast	1547 E. Atwater Street	Vacant land and abandoned railroad tracks	Abandoned railroad tracks
East	1500 E. Atwater Street	Vacant land	None observed
South	Not applicable	Detroit River	None observed
West	1440 E. Atwater	Vacant land being developed	None observed

Based on AKT Peerless' visual observations, the current uses of the adjoining properties do not appear to pose a direct environmental threat to the subject property, except for the abandoned railroad tracks and potential USTs located on the adjoining property to the north of Parcel G. In addition a machine pit, fill material, and former coal storage were observed on the subject property. These concerns are discussed in Section 6.3.

4.0 RECORDS REVIEW

The objective of the records review is to evaluate reasonably ascertainable databases, historical records, and physical setting records to help identify recognized environmental conditions at the subject property and, to the extent identifiable, at surrounding properties.

4.1 PHYSICAL SETTING SOURCES

AKT Peerless reviewed geological survey maps for geologic, hydrologic, and topographic conditions that may affect potential contaminant migration to the subject property.

4.1.1 Topography and Area Hydrogeology

According to the USGS' *Topographic Map of the Detroit, Michigan Quadrangle*, which was published in 1968 and was photorevised in 1973 and 1980, the subject property is situated between 579 and 590 feet above the National Geodetic Vertical Datum (NGVD). The subject property's topography appears to decline gently to the south.

AKT Peerless did not obtain or review reports that document actual groundwater conditions at or adjacent to the subject property. Therefore, AKT Peerless was unable to (1) identify the depth to shallow groundwater beneath the subject property, or (2) determine the groundwater flow direction beneath the subject property.

Typically, the water table aquifer flows toward a major drainage feature or in the same direction as the drainage basin. The Detroit River, which flows southwest, is located approximately 175 feet south of Parcel H. Therefore, AKT Peerless infers that groundwater beneath the subject

property flows to the south, with potential influence from the Detroit River.

The Detroit River is located approximately 175 feet south of Parcel H. Otherwise, AKT Peerless' research did not identify any known groundwater recharge area on or near the subject property, or any groundwater supply on the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Detroit, which obtains its municipal water from the Detroit Water & Sewerage Department (DWSD). Public sources of information do not identify main aquifers below the subject property.

4.1.2 Area Geology and Soil

According to the MDNR Geological Survey Division's *Bedrock Geology of Southern Michigan* (1987), bedrock beneath the subject property is classified as Bedford Shale of an unassigned series within the Devonian System of the Paleozoic Era. The depth to bedrock beneath the subject property was not readily available prior to the completion of this Phase I ESA.

According to the Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan*, soil in the area is lacustrine clay and silt. This soil is described as gray to dark reddish brown and is varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Soil thickness ranges from 10 to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

According to the United States Department of Agriculture, *Soil Survey of Wayne County, Michigan*, the soil in the area is classified as the Pewamo-Blount-Metamora association. This soil is described as "nearly level to gently sloping, poorly drained to somewhat poorly drained soils that have a fine-textured to moderately fine-textured subsoil."

AKT Peerless did not obtain other information about the subject property's soil during this Phase I ESA, except as described in the Phase II subsurface investigations conducted by ECT, Weston, and EM in 1999 and 2005. During these previous investigations, soil encountered beneath the subject property consisted of fill material from ground surface to a depth of approximately five feet below ground surface. This fill was underlain by clay and silt to approximately 20 feet below ground surface, the maximum depth explored.

4.2 STANDARD ENVIRONMENTAL RECORD SOURCES

AKT Peerless retained EDR to provide current environmental database information compiled by a variety of federal and state regulatory agencies. The purpose of obtaining this data was to evaluate potential environmental risks associated with the subject property, adjoining sites, and other sites that are (1) identified on target lists, and (2) within varying distances of up to one mile from the subject property. AKT Peerless reviewed the following federal and state databases for such listings within the indicated search radii.

Type	Regulatory Agency Database	Approximate Minimum Search Distance
Federal	National Priority List (NPL)	1 mile
Federal	Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	½ mile
Federal	CERCLIS No Further Remediation Action Planned (NFRAP) Site List	Subject property and adjoining properties
Federal	Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Facilities List	1 mile
Federal	RCRA non-CORRACTS Treatment, Storage or Disposal (TSD) Facilities List	½ mile
Federal	RCRA Generators List	Subject property and adjoining properties
Federal	Environmental Response and Notification System (ERNS)	Subject property
State	State Hazardous Waste Site (SHWS) (a.k.a. Part 201 Sites)	1 mile
State	Solid Waste Facilities/Landfill Sites (SWLF)	½ mile
State	Historical Landfill Site (HIST LF)	½ mile
State	Leaking Underground Storage Tank (LUST) List (a.k.a. Part 213 Sites)	½ mile
State	Registered Underground Storage Tank (UST) List	Subject property and adjoining properties
State	Baseline Environmental Assessment (BEA) Sites	½ mile
Either	Unmappable Database Listings (a.k.a. Orphan Sites)	1 mile

- Neither the US EPA nor Michigan Tribal Governments nor the State of Michigan maintains registries of sites with Institutional Controls / Engineering Controls in the subject property area.

4.2.1 Subject Property and Occupant Listings

The EDR Report (Appendix D) does not identify the subject property or known occupants on the referenced databases, except for the following:

- The Koenig Concrete Company located at 1470 E. Atwater Street (Parcel H) was identified on the registered UST and “closed,” LUST databases. Koenig Concrete was listed as having one 12,000-gallon diesel UST and one 6,000-gallon gasoline UST that were installed in December 1961, and removed in September 1990. Both USTs were constructed of asphalt-coated or bare steel. A confirmed release from the gasoline UST was reported in April 1990. A second confirmed release was reported in October 1994. These releases were closed August 22, 1995.
- Ambassador Steel Co. located at 1469 E. Atwater Street (Parcel F) is identified as the owner of one 5,500-gallon diesel UST, a 955-gallon gasoline UST, that were installed in 1966 and removed in 1992, and one unknown content and capacity UST that was installed in 1966 and was removed in 1980. Specific data about these USTs is presented in the EDR Report. In addition, this site was identified on the “open” LUST site database. According to EDR, a confirmed release of diesel was reported to MDEQ in September 1992.

Additional information about the presence of the Koenig Concrete Company and the

Ambassador Steel Co. on the referenced database(s) is presented in Section 4.3.

4.2.2 Adjoining and Nearby Sites

AKT Peerless' review of the referenced databases (including those on the orphan list) also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the EDR Report present an environmental risk to the subject property, AKT Peerless considered the following criteria:

- the type of database on which the site is identified.
- the topographic position of the identified site relative to the subject property.
- the direction and distance of the identified site from the subject property.
- local soil conditions in the subject property area.
- the known or inferred groundwater flow direction in the subject property area.
- the status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property are further evaluated by reviewing MDEQ file information. Using the referenced criteria, and based upon a review of readily available information contained within the EDR Report, AKT Peerless did not identify adjoining (i.e., bordering) or nearby sites (e.g., properties within a 1/4-mile radius) listed in the EDR Report that were judged to present a potential environmental risk to the subject property, except for the following:

State Database			
Database(s):	LUST and registered UST	Distance:	Adjoining
Name:	Crain Communications Inc.	Direction:	North
Address:	1370 Franklin Street	Elevation:	584 feet
Section References:	Section 7.1	Known/Inferred Groundwater Flow Direction:	South
Crain Communications Inc. is identified as the owner of one 1,000-gallon gasoline UST that was installed in December 1952 and removed in January 1992. Specific data about these USTs is presented in the EDR Report. A gasoline LUST incident was confirmed in January 1992 and the investigation was closed in May 1994.			

Federal and State Databases			
Database(s):	RCRA-SQG, UST, and LUST	Distance:	Adjoining
Name:	Lafarge Corporation and Inland Lakes Management at Lafarge Dock	Direction:	East
Address:	1500 E. Atwater Street	Elevation:	579 feet
Section References:	Sections 4.4.2 and 7.1	Known/Inferred Groundwater Flow Direction:	South
<p>The Lafarge Corporation is classified as a SQG, has not reported TSD Activities, and has no reported RCRA violations. However, Inland Lakes Management at Lafarge Dock is classified as a RCRA-SQG with several violations. According to EDR, five violations were noted during inspections of the subject property in October 1999. These violations receive compliance in June 2000.</p> <p>In addition, the Lafarge Corporation is identified as the owner of one 12,000-gallon and two 6,000-gallon diesel USTs that were installed in 1961 and were removed in 1990. Specific data about these USTs are presented in the EDR Report.</p> <p>This site was identified on the "open" LUST site database. According to EDR, a confirmed release of diesel/gasoline was reported to MDEQ in May 1990. The Inland Lakes Management at Lafarge Dock is classified as RCRA-SQG with several violations.</p>			

4.3 ENVIRONMENTAL RECORD SOURCES

4.3.1 MDEQ Waste and Hazardous Material Division (WHMD) Records

AKT Peerless contacted the MDEQ WHMD to review available records regarding waste management activities, permits, inspections, violations, and registered USTs associated with the subject property.

The MDEQ WHMD provided AKT Peerless with UST information pertaining to the subject property. This information is summarized in the following tables:

Underground Storage Tanks – General Data Former Koenig Concrete (Parcel H)					
Tank ID	Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
1	December 1961	Diesel	12,000 gallons	9/5/1990	Removed
2	December 1961	Gasoline	6,000 gallons	9/5/1990	Removed

Underground Storage Tanks – Description of Performance Standards							
Tank ID	Spill and Overfill Prevention	Release Detection		Construction		Corrosion Protection	
		Tank	Piping	Tank	Piping	Tank	Piping
1	Not Reported	Not Reported	Not Reported	Steel	Unknown	Not Reported	Not Reported
2	Not Reported	Not Reported	Not Reported	Steel	Unknown	Not Reported	Not Reported

4.3.2 MDEQ Remediation and Redevelopment Division (RRD) Records

AKT Peerless contacted the RRD's Cost Recovery Unit (CRU) in Lansing, Michigan to

determine if environmental cleanup liens had been filed against the subject property. Ms. Jackie Barnett responded that there are no environmental cleanup liens filed against the subject property at this time.

AKT Peerless contacted the MDEQ-RRD Southeast Michigan District Office to review available records regarding environmental information of leaking USTs associated with the subject property. According to information provided by Ms. Lori Coburn of the MDEQ-RRD Southeast Michigan District, the MDEQ does not have record of leaking USTs associated with the subject property. However, two of the subject property parcels (Parcel H and Parcel F) were listed on the LUST database. This gap in historical information is considered *data failure* as provided in Section 7.3.2.3 of the ASTM Standard Practice For ESAs (E 1527).

4.4 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

4.4.1 Local Health Department

The Wayne County Health Department indicated that they do not have records pertaining to the subject property. In addition, AKT Peerless contacted the Detroit Health Department to inquire about file information pertaining to environmental concerns associated with the subject property. According to the Detroit Health Department records, an inspection of the Rex Transport Facility, which was located at 1325 E. Atwater Street (Parcel D), was conducted on November 1987. During the inspection, the facility was issued a violation for not maintaining proper manifest documentation for waste oil shipments. Rex Transport provided the Detroit Health Department with correspondence indicating that appropriate action was taken to maintain future record-keeping requirements.

4.4.2 Local Fire Department

Subject Property (Parcel D)

The Detroit Fire Department records for Parcel D indicate that a 500-gallon waste oil UST, a 1,000-gallon motor oil AST, and several 55-gallon drums containing methanol and cleaning solvent were located at the subject property. The records also indicated that the facility received the following violations:

- September 5, 1985
 - Need to conduct and approved test on the 500-gallon waste oil UST piping and vent as per NFPA # 30 Sec. 2-7.3, 3-7.1
 - Fasten all oxygen and acetylene cylinders to firm foundation.
 - Repair or replace defective dispenser nozzle on the 1,000-gallon motor oil AST.
- August 12, 1987
 - Replace defective dome corer pressure vent
 - Replace all dome corers and gaskets
 - All tank vehicles used for transport of flammable liquid shall be conspicuously and legibly marked.
- July 20, 1988
 - Discontinue the delivery, sale, and transportation of flammable and/or combustible liquids within Detroit City Limits until tank trucks have been repaired.

- August 13, 1992
 - Submit notarized letter indicating that Rex Transportation is no longer transporting flammable liquids.

In addition, a letter from Rex Transportation dated January 1987 indicates that the waste oil UST was removed. AKT Peerless did not locate any registration records for this UST.

Subject Property (Parcel F)

The following records were maintained pertaining to Parcel F (1461 E. Atwater Street).

Underground Storage Tanks				
Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
February 1966	Diesel	5,500 gallons	September 1992	Removed
February 1966	Gasoline	955 gallons	September 1990	Removed
February 1966	Diesel	5,000 gallons	January 1980	Removed

Subject Property (Parcel H)

The following records were maintained pertaining to Parcel H (1470 E. Atwater Street).

Underground Storage Tanks				
Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
April 1956	Gasoline	2,000 gallons	Unknown	Unknown
June 1960	Gasoline	2,000 gallons	Unknown	Unknown
December 1961	Gasoline	6,000 gallons	September 1990	Removed
December 1961	Diesel	12,000 gallons	September 1990	Removed

Aboveground Storage Tanks				
Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
Unknown	Fuel Oil	250 gallons	Unknown	Removed

Adjoining Property south of Parcels B and D (1350 E. Atwater Street)

Underground Storage Tanks				
Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
October 1945	Gasoline	1,000 gallons	October 1963	Removed
May 1966	Gasoline	6,000 gallons	Unknown	Out of Use
Unknown	Gasoline	6,000 gallons	Unknown	Out of Use

Adjoining Property East of Parcel H and Southeast of Parcel G (1500 Atwater)

Underground Storage Tanks				
Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
April 1961	Diesel	12,000 gallons	September 1990	Removed
April 1961	Diesel	6,000 gallons	September 1990	Removed
April 1961	Diesel	6,000 gallons	September 1990	Removed

AKT Peerless noted violations were issued to the eastern adjoining property in 1986 and 1987, due to diesel fuel dispensing equipment.

4.4.3 Water & Sewage Utility Provider

AKT Peerless referenced Sanborn Fire Insurance Maps and the City of Detroit Building and Safety Engineering Department for information pertaining to water and sewer services for the subject property. Sanborn maps indicate that municipal water service has been available to the subject property since at least 1884. Based on historical information, it is not likely that the subject property would have utilized a septic system.

4.4.4 Natural Gas Provider

DTE Energy currently provides natural gas service to the subject property. DTE Energy has informed AKT Peerless that it will process original connection date requests only in response to a subpoena or government inquiry.

AKT Peerless' review of readily available standard and other historical sources provided only limited information regarding utilities associated with the former industrial building present on the subject property from at least 1884 until 2002. This gap in historical information is considered *data failure* as provided in Section 7.3.2.3 of the ASTM Standard Practice For ESAs (E 1527).

4.4.5 Previous Environmental Reports

Belmar Development provided AKT Peerless with a copy of a Category "N" Baseline Environmental Assessment (BEA), prepared in June 2005 by Enviro Matrix on behalf of the City of Detroit. The BEA was disclosed to the MDEQ on June 30, 2005. Enviro-Matrix's BEA included several previous environmental investigations of the subject property, which are summarized in the following subsections:

- Phase I Environmental Site Assessment, prepared in May 1999 by Environmental Consulting and Technology Inc. (ECT) on behalf of The City of Detroit.

On May 28, 1999, ECT conducted a Phase I ESA of Parcel H. At the time of Phase I Environmental Site Assessment, the subject property consisted of a cement material distribution and storage facility with no structures except packing and loading hoppers and an operations control room. The purpose of ECT's Phase I ESA was to determine if the current and historical use of the property resulted in recognized environmental conditions. ECT identified the following environmental concerns associated with Parcel H.

- three pole-mounted transformers of unknown age and PCB status
- current and historical industrial use of the property (coal yard, marine terminal, cement plant, public lighting commission, Detroit Street Railway yard)
- possible vent pipe indicating abandoned UST
- surface staining from truck fueling
- potential releases from numerous former USTs
- the use of fill material during water front construction
- onsite storage of UST and ASTs
- current and historical use of the adjacent properties

ECT recommended conducting a Phase II subsurface investigation to evaluate the environmental concerns identified during the Phase I ESA.

- Phase II Environmental Site Assessment, prepared in 1999 by ECT on behalf of the City of Detroit.

In 1999, ECT conducted a Phase II ESA to evaluate the environmental concerns identified at Parcel H during the Phase I ESA. During the investigation, ECT (1) drilled three soil borings, (2) installed seven monitoring wells, (3) collected four soil samples and six groundwater sample, and (4) submitted soil and groundwater samples for laboratory analyses. Soil and groundwater samples were submitted for laboratory analyses of select parameters including benzene, toluene, ethylbenzene, and xylenes (BTEX); polynuclear aromatic hydrocarbons (PNAs), polychlorinated biphenyls (PCBs), and metals.

According to ECT, BTEX and metals were detected in soil samples at concentrations above MDEQ Part 201 Groundwater-Surface Water Interface (GSI) Protection Criteria and Direct Contact Criteria. In addition, BTEX, PNAs, and metals were detected in groundwater samples at concentrations above MDEQ Part 201 GSI Criteria. ECT concluded that the subject property meets the definition of a "facility." ECT recommended conducting additional investigation to prepare a mixing zone determination and site-specific GSI criteria.

- Phase II Environmental Inquiry, prepared in May 1999 by Roy F. Weston Inc. (Weston) on behalf of The City of Detroit.

In May 1999, Weston completed a Phase II Environmental Inquiry for the Waterfront Reclamation Casino Development Project. The purpose of this inquiry was to provide the information necessary to complete an Administrative Agreement and Covenant Not to Sue with the State of Michigan. The investigation area included 107 parcels and adjacent rights-of-way – part of which included the subject property Parcels D through H. Weston's investigation included (1) review of existing environmental reports, (2) geophysical survey of select parcels, (3) collecting surface samples from select parcels, (4) an evaluation of abandoned containers, and (5) drilling soil borings.

Weston conducted assessment activities on the subject property Parcels D through G. During the investigation on these parcels, Weston (1) conducted a geophysical surveys of Parcels F and G (outside of buildings), (2) drilled soil borings on Parcels D through H, (3) collected soil and groundwater samples, and (4) submitted soil samples for laboratory analyses. Samples were

submitted for laboratory analyses of select parameters including VOCs, semi-volatile organic compounds (SVOCs), PCBs, and Michigan metals.

The following table provides a summary of analytical results detected above applicable criteria at the respective parcel.

Parcel Designation	Matrix	Parameter	Criteria Exceeded
Parcel D	Soil	SVOCs	Direct Contact
	Groundwater	SVOCs	Groundwater Contact
Parcel E (r-o-w)	Soil	Metal (arsenic)	Direct Contact
Parcel F	Soil	SVOCs	Direct Contact
		Metals (arsenic and lead)	
	Groundwater	SVOCs	Groundwater Contact
Parcel H	Soil	BTEX	Groundwater to Surface Water Interface Drinking Water

In addition, several abandoned containers (ASTs, drums, etc.) were observed at the subject property during Enviro-Matrix investigation. These containers have since been removed from the subject property.

According to Enviro-Matrix, geophysical surveys conducted on the subject property identified two anomalies (one on northeast corner and one on southeast corner) on Parcel F. AKT Peerless was not provided with any additional information regarding investigation of these anomalies. It is important to note that the surveys were not conducted on all parcels (only Parcels F and G), and were conducted outside the former buildings.

- Updated Phase II ESA LaFarge Property – 1470 (Parcel H), 1500, and 1650 E. Atwater Street, prepared in June 2005 by Enviro-Matrix on behalf of the City of Detroit.

On June 30, 2005, Enviro-Matrix conducted a Phase II ESA to evaluate the environmental concerns identified at the LaFarge Property – the western portion of which includes Parcel H. The purpose of Enviro-Matrix Updated Phase II ESA was to further investigate and verify the results of previous investigations conducted by ECT in 1999. During the investigation, Enviro-Matrix (1) drilled five soil borings, (2) collected five soil samples and five groundwater samples, and (4) submitted soil and groundwater samples for laboratory analyses. It is important to note that some of these borings were drilled on the properties adjoining Parcel H to the east and south. Soil and groundwater samples were submitted for laboratory analyses of volatile organic compounds (VOCs); polynuclear aromatic hydrocarbons (PNAs), and metals.

According to Enviro-Matrix, metals, PNAs, and 1,2,4-trimethylbenze were detected in soil samples at concentrations above MDEQ Part 201 Groundwater-Surface Water Interface (GSI) Protection Criteria. Arsenic was detected in a soil sample above MDEQ Part 201 Direct Contact Criteria. Mercury, lead, silver, and fluoranthene were detected in groundwater samples at concentrations above MDEQ Part 201 GSI Criteria. Enviro-Matrix concluded that the subject property meets the definition of a “facility.”

4.5 HISTORICAL USE INFORMATION

The objective of reviewing historical sources is to: (1) develop a history of previous uses or

specific occupancies of the subject property, (2) identify those uses or specific occupancies that are likely to have led to potential environmental concerns at the subject property, and to the extent identifiable, at adjoining properties, and (3) identify obvious uses of the subject property from the present, back to the property's *obvious* first developed use, or back to 1940, whichever is earlier.

Historical Summary – Subject Property

The following table summarizes the general development and use of the subject property, as identified by AKT Peerless.

Parcels A, B, and C 1364 Franklin Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884-1977	Railroad tracks	Railroad tracks.	Grand Trunk Western Railroad (1884-1991)	Municipal records Aerial photographs City directories Topographic map Sanborns
1980-2006	Railroad tracks are removed	Abandoned street and vacant land.	Grand Trunk Western Railroad (1884-1991)	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel D 1325 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884 - 1897	None apparent	Coal and lumber yard	Little CH Co. (1884-1912)	Sanborns
~ 1922	Several rectangular buildings	Warehouse and oil house on the eastern property portion.	United Fuel and Supply (1915-1922)	City directories Sanborns
~1949-1956	Demolition of former buildings. New small rectangular building.	Office and storage yard on eastern portion.	Cronin Coal Co. (1937-1941 and 1957), Pine Ridge Coal Co. (1957 and 1963)	Municipal records Aerial photographs City directories Sanborns
1957-1988	New large rectangular building.	Office and garage	Pine Ridge Coal Co. (1957 and 1963) and Rex Transportation (1970-1991)	Municipal records Aerial photographs City directories Topographic map Sanborns
1990-2002	Addition added connecting office building and garage.	Office and garage	Rex Transportation (1970-1991)	Municipal records Aerial photographs

Parcel D 1325 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
				City directories Topographic map Sanborns
2006	Demolition of all remaining structures.	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel E 1399 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884 - 1897	Several small rectangular sheds.	Lumber, coal and cement storage and railroad tracks	Little CH Co. (188-1912)	Sanborns
1922	Removal of small rectangular sheds and construction of two rectangular buildings.	Plaster Warehouse and railroad tracks	United Fuel and Supply Co. (1915-1918)	City directories Sanborns
1922 - 1956	Construction of one rectangular building and additions incorporating all buildings.	Charcoal Warehouse	Ray Fuel Co. (1933-1936), and Ray Industrial Inc. (1937-1941)	Municipal records Aerial photographs City directories Sanborns
1957 - 2000	Removal of former buildings and construction of 14,506 sq foot, 1-story warehouse.	Steel fabricating and storage	Ambassador Steel	Municipal records Aerial photographs City directories Topographic map Sanborns
2002-2006	Demolition of remaining structure.	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel F 1461 E. Atwater Street / 1469 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several small rectangular buildings.	Lumber and coal storage	R.C. Faulconer	Sanborns
1897 – 1930	Removal of former building and construction of two rectangular buildings.	Power house	D. S. Ry Power House (1921-1930)	City directories Sanborns
1949 – 1952	None apparent	Steel warehouse and office	Ambassador Steel	Municipal records Aerial photographs City directories Sanborns
1953-2000	Addition incorporating two buildings.	Large rectangular buildings used for steel fabricating and offices. Addition used as a paint room.	Ambassador Steel	Municipal records Aerial photographs City directories Topographic map Sanborns
2002	None apparent	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of structures.	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel G 1471 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several small rectangular buildings.	Lumber and coal storage	R.C. Faulconer	Sanborns
1897 – 1966	Construction of one large rectangular building.	Light industrial/manufacturing and warehouse	Mill Construction (1897), Detroit Screw Works (1900-1902), Allen Industries Inc. (1950-1953), and Ainsworth Manufacturing Corp. (1957)	Municipal records Aerial photographs City directories Sanborns
1967 – 1970	Removal of former building and construction of "I-shaped" building.	Light industrial/manufacturing	Coil Steel (1967)	Municipal records Aerial photographs City directories Topographic map

Parcel G 1471 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
				Sanborns interviews
1970-2002	None apparent	Vacant	Unknown	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of remaining structures.	Vacant land	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel H 1470 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several sheds.	Lumber, coal storage, and Lime Kiln	R.C. Faulconer and F.B. Sibley & Co. Lime Kiln	Sanborns
1887	Construction of large rectangular building.	Powerhouse boiler room and offices, Ice Company, and Lime and Stone Yard.	Pittman and Deans Ice Company (1897), Detroit Ry Powerhouse (1897-1922), and J.H. Little Lime and Stone Yard	Sanborns
1922 – 1956	Removal of sheds.	Powerhouse	Public Lighting Commission (1951)	Municipal records Aerial photographs City directories Sanborns
1961	Removal of former buildings.	Vacant land	Unknown	Municipal records Aerial photographs City directories Sanborns
1966-2002	Construction of two rectangular buildings.	Light industrial/manufacturing	Cooper Supply Co. (1967) and Koenig Fuels and Supply (1970 and 1997-2003)	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of remaining structures.	Vacant	City of Detroit	Municipal records Aerial photographs

Parcel H 1470 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
				City directories Topographic map Sanborns

Historical Summary – Northern Parcels (A through G) Adjoining Properties

North

The northern adjoining properties have consisted of railroad tracks, light industrial/manufacturing buildings and associated storage yards since at least 1884. Previous occupants of these properties include Insto Gas Corp., Bryant and Detwiter Co., Hunton, Myles and Weeks Lumber, and Office suites.

Northeast

The northeastern adjoining property, beyond Riopelle Street, consisted of railroad tracks and storage yards from at least 1884 until 1950 and light industrial/manufacturing from 1953 to 2000. Identified occupant since that time was the Detroit Grand Haven & Milwaukee Railroad.

East

The eastern adjoining property, beyond Riopelle Street, contained railroad tracks and light industrial/manufacturing facilities from at least 1884 until 1922. From at least 1950 to 2000 the property to the east was vacant land. Identified previous occupants include Detroit Grand Haven & Milwaukee Railroad, Detroit Screw Works and the Parker Bros. Coal Yard.

Southeast

The southeastern adjoining property, beyond Riopelle Street and Atwater Street, was a coal storage yard from at least 1884 until 1897, when it was improved with a light industrial/manufacturing building and associated paved and landscaped areas. Previous occupants of this property include J.E. Pittman, Huron Portland Cement, and Lafarge.

South (Parcel H)

The southern adjoining properties, beyond Atwater Street consisted of light industrial/manufacturing buildings from at least 1897 until the late 2000. Previous occupants of these properties include R. C. Faulconer Lumber Yard, F.B. Sibley & Co. Lime Kiln, J. H Little Lime and Stone Yard, Detroit Ry Powerhouse, Copper Supply Co., U.S. Gypsum Co., United Fuel and Supply Co., Koenig Fuel and Supply, and Lafarge.

Southwest

The southwestern adjoining property, beyond Atwater Street consisted of a storage yard from 1884 until 1975. From 1980 until 2000 the adjoining property to the southwest was a parking lot. Previous occupants of this property include Young Bros Sheet Iron Works and Great Lakes Engineering Works.

West

The western adjoining property consisted of a railroad yard from at least 1884 until the 1988s, when it was improved with a commercial building and associated paved and landscaped areas.

Historical Summary – Southern Parcel (H) Adjoining Properties

North (Parcels A through G)

The northern adjoining properties, beyond Atwater Street consisted of storage yards from at least 1884 until 1897, when it was improved with light industrial/manufacturing buildings and associated paved and landscaped areas. Previous occupants of these properties since that time include D.S. Ry Power House, Ainsworth Manufacturing Corp., Coil Steel Company, R.C. Faulconer, Mill Construction, Detroit Screw Works, and Detroit United Railway.

Northeast

The northeastern adjoining property, beyond Riopelle Street and Atwater Street, was railroad tracks and light industrial/manufacturing from at least 1884 until 1922. From at least 1950 to 2000 the property to the east was vacant land. Previous occupants since that time include Detroit Grand Haven & Milwaukee Railroad, Detroit Screw Works and the Parker Bros. Coal Yard.

East

The eastern adjoining property was a coal storage yard from at least 1884 until 1897, when it was improved with a light industrial/manufacturing building and associated paved and landscaped areas. Previous occupants of this property include J.E. Pittman, Huron Portland Cement, and Lafarge.

South

The Southern adjoining property consists of boat slips from at least 1884 to 1897, when it was filled in. Previous occupants of this property include R. C. Faulconer Lumber Yard, F.B. Sibley & Co. Lime Kiln, J. H Little Lime and Stone Yard, Detroit Ry Powerhouse, Copper Supply Co., U.S. Gypsum Co., United Fuel and Supply Co., Koenig Fuel and Supply, and Lafarge.

West

The western adjoining property consisted of light industrial/manufacturing buildings from at least 1884 until the 1980s, when it became vacant land. Previous occupants of these properties since that time include U.S. Gypsum Co., and Nicholson Universal Steamship Co.

4.5.1 Aerial Photographs

AKT Peerless obtained aerial photographs for the subject property from. AKT Peerless' observations noted during the review of these photographs are summarized in the following table. Photocopies of select aerial photographs are presented as Appendix E.

Photo Dates	Observations (Parcel A through C)	Potential Environmental Concerns
1949 1952 1956 1961 1966 1970 1975	The subject property is shown a railroad yard.	Outdoor material, equipment storage, and railroad tracks.
1980	The subject property is shown as abandoned street and vacant land.	Outdoor material,

Photo Dates	Observations (Parcel A through C)	Potential Environmental Concerns
1985 1990 1995 1999 2000 2002		equipment storage, and railroad tracks..

Photo Dates	Observations 1325 E. Atwater Street (Parcel D)	Potential Environmental Concerns
1949 1952 1956	The subject property is shown as one nearly rectangular building used as an office and storage yard on the eastern property boundary.	Potential industrial activities associated with coal storage.
1961 1966 1970 1980 1985	The subject property is shown as two rectangular buildings.	Potential activities associated with an automotive service garage.
1990 1995 1999 2000 2002	The subject property is shown as rectangular building with associated paved and landscaped areas.	Potential activities associated with an automotive service garage.

Photo Dates	Observations 1399 E. Atwater Street (Parcel E)	Potential Environmental Concerns
1949 1952 1956	The subject property is shown as a large rectangular building and railroad tracks.	Potential industrial activities associated with a fuel company and railroad tracks.
1961 1966 1970 1980 1985 1990 1995 1999 2000	The subject property is shown as one rectangular building.	Potential industrial activities associated with steel fabricating.
2002	The subject property is shown as vacant land.	Potential industrial activities associated with former use of the property.

Photo Dates	Observations 1461 E. Atwater Street (Parcel F)	Potential Environmental Concerns
1949 1952	The subject property is shown as three rectangular buildings.	Potential industrial activities associated steel fabricating and storage.
1956 1961 1966 1970 1980 1985 1990 1995 1999 2000	The subject property is shown as three rectangular buildings. There is a small addition in the center connecting the two buildings.	Potential industrial activities associated steel fabricating and storage.
2002	The subject property is shown as three vacant rectangular buildings with associated paved and landscaped areas.	Potential industrial activities associated steel fabricating and storage.

Photo Dates	Observations 1471 E. Atwater Street (Parcel G)	Potential Environmental Concerns
1949 1952 1956 1961 1966	The subject property is shown as one large rectangular building.	Potential industrial activities on the subject property exterior.
1970 1980 1985 1990 1995 1999 2000 2002	The subject property is shown as one I-shaped rectangular building.	Potential industrial activities on the subject property exterior.

Photo Dates	Observations 1470 E. Atwater Street (Parcel H)	Potential Environmental Concerns
1949 1956	The subject property is shown as light industrial/manufacturing property consisting of one rectangular building with associated paved and landscaped areas.	Potential industrial activities associated with a powerhouse.
1961	The subject property is shown as vacant land.	Potential industrial activities associated with a powerhouse.
1966	The subject property is shown as light industrial/manufacturing property	Potential industrial

Photo Dates	Observations 1470 E. Atwater Street (Parcel H)	Potential Environmental Concerns
1970 1975 1980 1985 1990 1995 1999 2000 2002	consisting of two rectangular buildings with associated paved and landscaped areas.	activities associated with copper and fuel companies.

AKT Peerless' review of historical aerial photographs of the adjoining properties is summarized in the following table.

Photo Dates	Potential Environmental Concerns (Northern and Southern Parcels Adjoining Properties)
1949 1952 1956 1961 1966 1970 1975 1980 1985 1990 1995 2000 2002	No obvious evidence or indications of recognized environmental conditions or other potential environmental concerns were noted with respect to the adjoining properties during AKT Peerless' review of the referenced aerial photographs, aside from the fact that the adjoining properties appear to have been developed with industrial/manufacturing buildings since at least 1949.

4.5.2 Fire Insurance Maps

AKT Peerless obtained fire insurance maps for the subject property from EDR. AKT Peerless' observations noted during the review of these maps are summarized in the following table. Photocopies of the referenced maps are presented in Appendix F.

Map Dates	Observations (Parcel A through C)	Potential Environmental Concerns
1884 1897 1922 1950 1951 1953 1957 1961 1977 1988 1991	The subject property is shown as a railroad yard.	Outdoor material, equipment storage, and railroad tracks.

Map Dates	Observations 1365 E. Atwater Street (Parcel B)	Potential Environmental Concerns
1884 1897 1922 1950 1951 1953 1957 1961 1977 1988 1991	The subject property is shown as a storage yard and railroad tracks.	Potential industrial process activity on the subject property exterior, railroad tracks running through the subject property.

Map Dates	Observations 1370 Guoin Street (Parcel C)	Potential Environmental Concerns
1884 1897 1922 1950 1951 1953 1957 1961 1977 1988 1991	The subject property is shown as a storage yard and railroad tracks.	Potential industrial process activity on the subject property exterior, railroad tracks running through the subject property.

Map Dates	Observations 1325 E. Atwater Street (Parcel D)	Potential Environmental Concerns
1884 1897	The subject property is shown as a coal and lumberyard.	Potential industrial process activity on the subject property exterior, railroad tracks and coal storage sheds.
1922	The subject property is shown as several rectangular buildings used as a warehouse. There is an oil house on the eastern property boundary.	Potential industrial process activity on the subject property exterior, and potential of spills from oil house.
1950 1953	The subject property is shown as one nearly rectangular building used as an office and coal storage yard on the eastern property boundary.	Potential industrial process activity on the subject property exterior, and coal storage.
1957 1961 1977 1988	The subject property is shown as two rectangular buildings used as and office and garage.	Potential industrial process activity on the subject property exterior.
1991	The subject property is shown as rectangular building with associated paved and landscaped areas used as an office and garage.	Potential industrial process activity on the subject property exterior.

Map Dates	Observations 1399 E. Atwater Street (Parcel E)	Potential Environmental Concerns
1884	The subject property is shown as several lumber and coal yard storage sheds and railroad tracks.	Potential industrial process activity on the subject property exterior, railroad tracks and coal storage sheds.
1897	The subject property is shown as several rectangular buildings used for cement storage and railroad tracks.	Potential industrial process activity on the subject property exterior and railroad tracks running through the subject property.
1922	The subject property is shown as two rectangular buildings used as a plaster warehouse and railroad tracks.	Potential industrial process activity on the subject property exterior and railroad tracks running through the subject property.
1950 1951 1953	The subject property is shown as a large rectangular building used as a Charcoal warehouse and railroad tracks.	Potential industrial process activity on the subject property exterior and railroad tracks running through the subject property.
	The subject property is shown as one rectangular building used as a steel	Potential industrial

Map Dates	Observations 1399 E. Atwater Street (Parcel E)	Potential Environmental Concerns
1957 1961 1977 1988 1991	warehouse.	process activity on the subject property exterior and rail road tracks running through the subject property.

Map Dates	Observations 1461 E. Atwater Street (Parcel F)	Potential Environmental Concerns
1884	The subject property is shown as several lumber and coal yard storage sheds and railroad tracks.	Potential industrial process activity on the subject property exterior, railroad tracks and coal storage sheds.
1897 1922	The subject property is shown as three rectangular buildings used as a powerhouse. A boiler room is located at the northern property boundary; an engine room is located at the southern property boundary, and a storeroom at the eastern property boundary.	Potential industrial process activity on the subject property exterior and process associated with the powerhouse.
1950 1951	The subject property is shown as three rectangular buildings used as a steel warehouse and office.	Potential industrial process activity on the subject property exterior.
1953 1957 1961 1977 1988 1991	The subject property is shown as three rectangular buildings used for steel fabricating and office. There is a small paint room in the center connecting the two buildings used for fabricating.	Potential industrial process activity on the subject property exterior.

Map Dates	Observations 1471 E. Atwater Street (Parcel G)	Potential Environmental Concerns
1884	The subject property is shown as several lumber and coal yard storage sheds and railroad tracks.	Potential industrial process activity on the subject property exterior, railroad tracks and coal storage sheds.
1897 1922	The subject property is shown as one large rectangular building used for manufacturing.	As Potential industrial process activity on the subject property exterior.
1950 1951 1953	The subject property is shown as one large rectangular building used as a warehouse and machine shop.	Potential industrial process activity on the subject property exterior.

Map Dates	Observations 1471 E. Atwater Street (Parcel G)	Potential Environmental Concerns
1957 1961	The subject property is shown as one large rectangular building used for light industrial/manufacturing.	Potential industrial process activity on the subject property exterior.
1977 1988 1991	The subject property is shown as one "I-shaped" rectangular building used for light industrial/manufacturing.	Potential industrial process activity on the subject property exterior.

Map Dates	Observations 1470 E. Atwater Street (Parcel H)	Potential Environmental Concerns
1884	The subject property is shown as several lumber and coal yard storage sheds and railroad tracks.	Potential industrial process activity on the subject property exterior and coal storage sheds.
1897	The subject property is shown as two rectangular buildings. One is used as a powerhouse with a boiler room in the center, coal bunkers along Riopelle Street, offices, store rooms, machine shops and a oil room on the western wall of the building. The second building is used as an ice shop. The property also has docks and slips.	Potential industrial process activity on the subject property exterior, coal and oil storage.
1922 1951	The subject property is shown as one rectangular building used as a powerhouse	Potential industrial process activity on the subject property exterior.

AKT Peerless' review of historical fire insurance maps of the adjoining properties is summarized in the following table.

Map Dates	Potential Environmental Concerns (Adjoining Properties)
1884 1897 1922 1950 1951 1957 1961 1977 1988 1991	No obvious evidence or indications of recognized environmental conditions or other potential environmental concerns were noted with respect to the adjoining properties during AKT Peerless' review of the referenced maps, aside from the fact that the adjoining properties appear to have been developed with industrial/manufacturing buildings since at least 1884.

4.5.3 City Directories

City Directories from various years between 1969-1970 and 2001-2002 were reviewed at the Bresser's Cross-Reference Directory archival library. The purpose of this review was to determine the past occupancy of the subject property. Information obtained from the reviewed directories is summarized in the following table:

Dates	Parcel A Occupants (1364 Franklin Street)
1900-1908	Address not listed
1909-1912	Vacant
1915-2003	Address not listed

Dates	Parcel B Occupants (1365 E. Atwater Street)
1900-1941	Address not listed
1957-1974	
1997-2003	

Dates	Parcel C Occupants (1370 Guoin Street)
1900-1941	Address not listed
1957-1974	
1997-2003	

Dates	Parcel D Occupants (1325 E. Atwater Street) (321-327 Atwater Street prior to 1920s)
1900-1935	Little C.H. Co.
1915-1918	United Fuel and Supply
1919-1936	Address not listed
1937-1941	Cronin Coal Co.
1957	Pine Ridge Coal Co. and Cronin Coal and Supply Co.
1963	Pine Ridge Coal Co.
1967	Vacant
1970-1974	Rex Transportation
1997-2003	Address not listed

Dates	Parcel E Occupants (1399 E. Atwater Street) (331-333 E. Atwater prior to the 1920s and 1389 in 1922)
1900-1931	Little CH Co.
1915-1918	United Fuel and Supply Co.
1923-1932	Address not listed
1933-1936	Ray Fuel Co.
1937-1941	Ray Industrial Inc.
1957-1974	Address not listed
1997-2003	

Dates	Parcel F Occupants (1461 E. Atwater Street / 1469 E. Atwater Street) (375 E. Atwater prior to the 1920s)
1900-1901	Address not listed
1902-1930	D.S. Ry Power House
1932-1937	Vacant

Dates	Parcel F Occupants (1461 E. Atwater Street / 1469 E. Atwater Street) (375 E. Atwater prior to the 1920s)
1939-1941	Address not listed
1957-1974	
1997-2003	

Dates	Parcel G Occupants (1471 E. Atwater Street) (379-385 E. Atwater prior to the 1920s)
1900-1902	Detroit Ry Power House and Detroit Screw Works
1906-1941	Address not listed
1957	Ainsworth Manufacturing Corp.
1963	Vacant
1967	Coil Steel Co.
1970-1974	Vacant
1997-2003	Address not listed

Dates	Parcel H Occupants (1470 E. Atwater Street) (364-374 E. Atwater prior to the 1920s)
1900-1901	Ruelle Alexander tug owner and C.H. Little Co.
1902-1912	Ruelle Alexander tug owner, C.H. Little Co., and Pittmans and Deans Co.
1915-1941	Address not listed
1957-1963	
1967	Cooper Supply Co.
1970	Koenig Fuel and Supply Co.
1974	Address not listed
1997-2003	Koenig Fuel and Supply Co.

An address that is not listed typically indicates that (1) the property was vacant at that time, (2) a potential building was unoccupied at that time, (3) a previously existing address was different than the current address, (4) the building was not represented in the directory because of a "lag time" between building the structure and compiling the list, or (5) occupant information was not available for inclusion into the directory.

AKT Peerless also reviewed city directories for select adjoining properties to determine their past occupancy. A summary of the select adjoining property occupants is presented in Appendix F. No obvious environmental concerns associated with historical occupants of the adjoining properties were noted, aside from the fact that the adjoining properties appear to have been developed with industrial/manufacturing buildings since at least the 1900s.

4.5.4 Assessing Department Records

AKT Peerless reviewed tax assessment records pertaining to the subject property at the Detroit Assessing Department. The following table summarizes features or items of potential environmental concern, if any, that were noted during the record review.

Environmental Issue	Comments
Storage Tanks	None identified
Asbestos-Containing Materials	None identified
PCB Materials	None identified
On-site Well/Septic System	None identified
Disposal Facilities/Fill Material (e.g., lagoons, pits, landfills, etc.)	None identified

Review of assessing records indicated that there was a 14,506 square foot warehouse constructed on Parcel E in 1958. Parcels A through C belonged to the railroad and were exempt. No other pertinent file information was maintained by the assessors office.

4.5.5 Building Department Records

AKT reviewed building records for the subject property at the Detroit Building Department. AKT Peerless' review indicated that Parcel D was used as a repair garage in 1975 and Parcel H was used for a concrete plant in 1961.

5.0 INTERVIEWS

5.1 INTERVIEW WITH SUBJECT PROPERTY OWNER

AKT Peerless contacted Mr. Michael Dempsey, Project manager of the Detroit Economic Growth Corporation regarding this report. Mr. Dempsey had Mr. Raymond Scott, City of Detroit Department of Environmental Affairs complete the questionnaire. According to Mr. Scott the subject property and adjoining properties had been used for industrial purposes. Mr. Scott indicated that there had been automotive or industrial batteries, pesticides, paint, or other chemicals in individual containers of greater than five gallons, and/or industrial drums stored or used on the subject property. Registered USTs and stained soil was also located on this subject property at one time. According to Mr. Scott ACM and LBP has been on the subject property in the past.

5.2 INTERVIEW WITH KEY SITE MANAGER

AKT Peerless was not provided with contact information for a manager of the subject property.

5.3 INTERVIEW WITH SUBJECT PROPERTY OCCUPANT(S)

The subject property is currently vacant. Therefore, an interview with the occupant of the subject property was not applicable to this ESA.

5.4 INTERVIEW(S) WITH OTHERS

AKT Peerless was not provided with contact information for any other knowledgeable parties associated with the subject property during the course of this ESA.

6.0 SUBJECT PROPERTY RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

The subject property reconnaissance consisted of visual and physical observations of the subject property. AKT Peerless visually and/or physically observed the periphery of the subject property. In addition, AKT Peerless observed the subject property from all adjacent public thoroughfares. AKT Peerless viewed the subject property following a grid pattern designed to cover representative portions of the unimproved areas.

Mr. Timothy J. McGahey and Ms. Megan Bahorski of AKT Peerless conducted the subject property reconnaissance on October 9, 2006. AKT Peerless encountered the following project specific facts or conditions that limited our ability to access the subject property:

- Visual observations of the subject properties northern Parcels (A through G) were limited by the presence of heavy vegetation.

6.2 GENERAL SUBJECT PROPERTY SETTING AND OPERATIONS

The subject property consists of vacant land covered with fill material and overgrown vegetation. A concrete foundation is located on Parcel E. Otherwise there are no structures currently located on the subject property.

6.3 OBSERVATIONS

6.3.1 Hazardous Substances and Petroleum Products

AKT Peerless did not observe hazardous substances and petroleum products at the subject property.

6.3.2 Hazardous and Non-Hazardous Waste

AKT Peerless did not observe hazardous or non-hazardous waste at the subject property.

6.3.3 Storage Tanks

AKT Peerless did not observe evidence of current or former UST systems (e.g., vent pipes, fill ports, dispensing pumps, patched pavement, etc.) at the subject property.

6.3.4 Unidentified Substances/Containers

AKT Peerless observed a possible coal like substance on the western portion of Parcel H. As discussed in sections 4.5, and 4.5.2, the subject property was used as a coal yard in 1884 and stored coal in bunkers for a powerhouse between 1897 and 1922.

6.3.5 Potential PCB Containing Equipment

AKT Peerless inspected the subject property for the presence of liquid-cooled electrical units such as transformers and large capacitors. Such units are notable since they may be potential sources of PCBs (polychlorinated biphenyls). AKT Peerless did not observe suspect PCB-containing equipment at the subject property.

6.3.6 Interior Staining / Corrosion

This subsection does not apply since there are no buildings at the subject property.

6.3.7 Drains and Sumps

This subsection does not apply since there are no buildings at the subject property.

6.3.8 Discharge Features

Storm water that falls upon the subject property appears to percolate directly into the ground, or runoff into the adjoining road right-of-ways. AKT Peerless did not observe storm water catch basins or drains on the subject property.

6.3.9 Pits, Ponds, and Lagoons

AKT Peerless did not observe evidence of a pit, ponds, or lagoons, or evidence thereof, at the subject property, except for the following:

Description	Location	Observed Environmental Concerns
Potential former machine pit	Located within foundation on Parcel E	Based on the historic use of this parcel this feature appears to be associated with a former machine pit.

6.3.10 Solid Waste Dumping / Landfills

AKT Peerless did not observe evidence of solid waste dumping or landfills at the subject property.

6.3.11 Stained Soil, Stressed Vegetation, Stressed/Stained Pavement

AKT Peerless did not observe any evidence of stained soil, stressed vegetation, stressed pavement, or stained pavement at the subject property, except for the following:

Description	Location	Size (approx.)	Observations
Stained concrete	Cement foundation on Parcel E	2' x 3'	AKT Peerless was unable to determine the origin of the stain

6.3.12 Well and Septic Systems

AKT Peerless did not observe physical evidence or indication of wells or septic systems at the subject property.

6.3.13 Other Observations

AKT Peerless did not observe evidence of other potential environmental concerns at the subject property, except for the following:

Description	Location	Observed Environmental Concerns
Concrete foundation	Parcel E	Cement foundation of former industrial/manufacturing building on Parcel E.
Fill material	All Parcels	None observed; origin of fill material may present environmental concern

6.4 NON-ASTM SCOPE CONSIDERATIONS

AKT Peerless did not evaluate any other potential environmental conditions (i.e., further areas of possible business/environmental concern and/or liability) that are outside the scope of ASTM Standard Practice E 1527-00. Examples of such potential environmental conditions that were beyond the scope of this Phase I ESA include asbestos-containing materials (ACMs), cultural and historic resources, ecological resources, endangered species, health and safety, high-voltage power lines, indoor air quality, industrial hygiene, lead-based paints (LBPs), lead in drinking water, moisture intrusion/suspect mold growth, noise pollution, radon, regulatory compliance/non-compliance and/or wetlands.

AKT Peerless advises users of this document who wish to obtain an evaluation of the subject property relative to any of the aforementioned non-ASTM issues to engage the services of a qualified environmental professional.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

This Phase I ESA conforms to the scope and limitations of ASTM Standard Practice E 1527-00. In the professional opinion of AKT Peerless, an appropriate level of inquiry has been made into the previous ownership and uses of the subject property consistent with good commercial and customary practice in an effort to minimize liability, and no evidence or indication of RECs has been revealed, except for the following:

1. As discussed in Section 4.5, Parcels A through C contained railroad tracks from at least 1884 through the 1970s. It is AKT Peerless' opinion that the potential exists for the subject property's soil and groundwater to have been adversely affected by these former railroad tracks.
2. As described in Section 4.5, Parcel D consisted of a coal and lumber storage yard from at least 1884 until the early 1900s, when it was improved with a warehouse and oil house occupied by United Fuel and Supply. Automotive maintenance activities were conducted on Parcel D in the 1970s through 1990s. Analytical results of previous investigations indicate that SVOCs were detected in soil and groundwater above MDEQ Part 201 Direct Contact Criteria. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel D.
3. As described in Section 4.5, Parcel E consisted of a coal and lumber storage yard from at least 1884 until the early 1900s, when it was improved with a plaster warehouse, which was later used to store charcoal and steel. Analytical results of previous investigations indicate that metals were detected in soil above MDEQ Part 201 Direct Contact Criteria. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel E.
4. As described in Section 4.5, Parcel F consisted of a coal and lumber storage yard beginning in at least 1884. The subject property was used as a powerhouse from at least 1887 until 1930 when the building was converted to a steel warehouse. The subject property remained a steel warehouse until 1952, when it became a steel fabricating facility with a paint room.

According to the EDR Report, Parcel F was identified on the "open" LUST database due to a confirmed release of diesel fuel in September 1992. Analytical results of previous investigations indicate that SVOCs and metals were detected in soil and groundwater above MDEQ Part 201 Direct Contact Criteria. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the the historical use of Parcel F.

5. As described in Section 4.5, Parcel G consisted of a coal and lumber storage yard from at least 1884 until a light industrial/manufacturing and warehouse facility was constructed between 1884 and 1897. Industrial activities were conducted at Parcel G until the building was vacated in the 1970s, and was demolished in the 2000s. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel G.
6. As described in Section 4.5, Parcel H consisted of a coal and lumber storage yard from at least 1884 until industrial buildings were constructed in the late 1880s. These buildings were occupied by a powerhouse, a boiler room, a blacksmith shop, a machine shop, an oil house, coal bunkers, an ice house, and a lime kiln and storage yard. These structures were demolished between 1956 and 1961, and replaced with another industrial building. This building was occupied by a fuel supply company until it was demolished in the 2000s. Analytical results of previous investigations indicate that BTEX concentrations were detected in soil above MDEQ Part 201 GSI and Drinking Water Protection Criteria. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel H.
7. As discussed in Section 6.3.13, AKT Peerless observed fill material on the ground surface of each of the subject property parcels. The origin of this material is not known. In addition, AKT Peerless observed what appears to be a former machine pit on Parcel F.
8. As described in Sections 4.2.2 and 4.4.2, the following USTs were located on Parcel H:

Underground Storage Tanks				
Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
April 1956	Gasoline	2,000 gallons	Unknown	Unknown
June 1960	Gasoline	2,000 gallons	Unknown	Unknown
December 1961	Gasoline	6,000 gallons	September 1990	Removed
December 1961	Diesel	12,000 gallons	September 1990	Removed

According to Fire Department records the 6,000-gallon gasoline UST and the 12,000-gallon diesel UST – formerly located along the northeastern portion of the former building - were removed in September 1990. In addition, fire department file information indicates two 2,000-gallon gasoline USTs were installed on Parcel H in 1956 and 1960, respectively. However, historical information did not indicate whether these USTs were removed from Parcel H.

9. As described in Sections 4.5.1 and 4.5.2, railroad tracks were located along the northern and western portions of Parcel A through G from at least 1884 until approximately 1977. Potential concerns typically associated with railroad tracks include the use of fill materials as

ballast to support the ties and rails of the railroad tracks and leaks or spills of hazardous materials or petroleum products.

10. As described in Sections 4.2.2 and 4.4.2, industrial activities were conducted on the northern (1370 Franklin Street) and the eastern (1500 E. Atwater Street) adjoining properties beginning in the 1800s. These northern and eastern adjoining properties were identified on the "open" LUST site database.

Because RECs were identified during the performance of the Phase I ESA, further investigation and/or assessment is warranted in order to determine the nature, extent, magnitude, and materiality of the RECs associated with the subject property. In addition, AKT Peerless recommends conducting a geophysical survey of Parcel D, portions of Parcels F and G, and Parcel H to evaluate the potential for abandoned USTs.

7.2 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

AKT Peerless did not identify HRECs in connection with the subject property, except for the following:

7.3 OTHER AREAS OF POTENTIAL CONCERN

AKT Peerless did not identify other areas of potential concern in connection with the subject property during the course of this ESA.

AKT Peerless did not identify or encounter any instances of significant data gaps during the course of this ESA, except the following:

- AKT Peerless Freedom of Information (FOI) response from the MDEQ RRD indicates that a MDEQ file for the subject property does not exist. However, two of the subject property parcels (Parcel H and Parcel F) were listed on the Leaking Underground Storage Tank (LUST) database. This gap in historical information is considered *data failure* as provided in Section 7.3.2.3 of the ASTM Standard Practice For ESAs (E 1527).
- AKT Peerless' review of readily available standard and other historical sources provided only limited information regarding utilities associated with the former industrial buildings present on the subject property from between 1884 until the 2000s. This gap in historical information is considered *data failure* as provided in Section 7.3.2.3 of the ASTM Standard Practice For ESAs (E 1527).

8.0 DEVIATIONS

AKT Peerless did not deviate from ASTM Standard Practice E 1527-00 when performing this Phase I ESA (i.e., no components of that practice were deleted, and no additions to it were made), except as a preliminary asbestos inspection as described in Section 6.4.1.

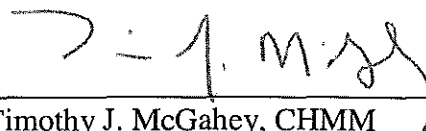
9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our knowledge and professional belief, we meet the definition of environmental professional as defined in ASTM E-1527-05 and §312.10 of 40 CFR 312 or conducted this inquiry under the supervision or responsible charge of, an environmental professional. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in ASTM E-1527-05 and 40 CFR Part 312.



Megan Bahorski
Environmental Consultant
AKT PEERLESS ENVIRONMENTAL SERVICES
Detroit, Michigan Office

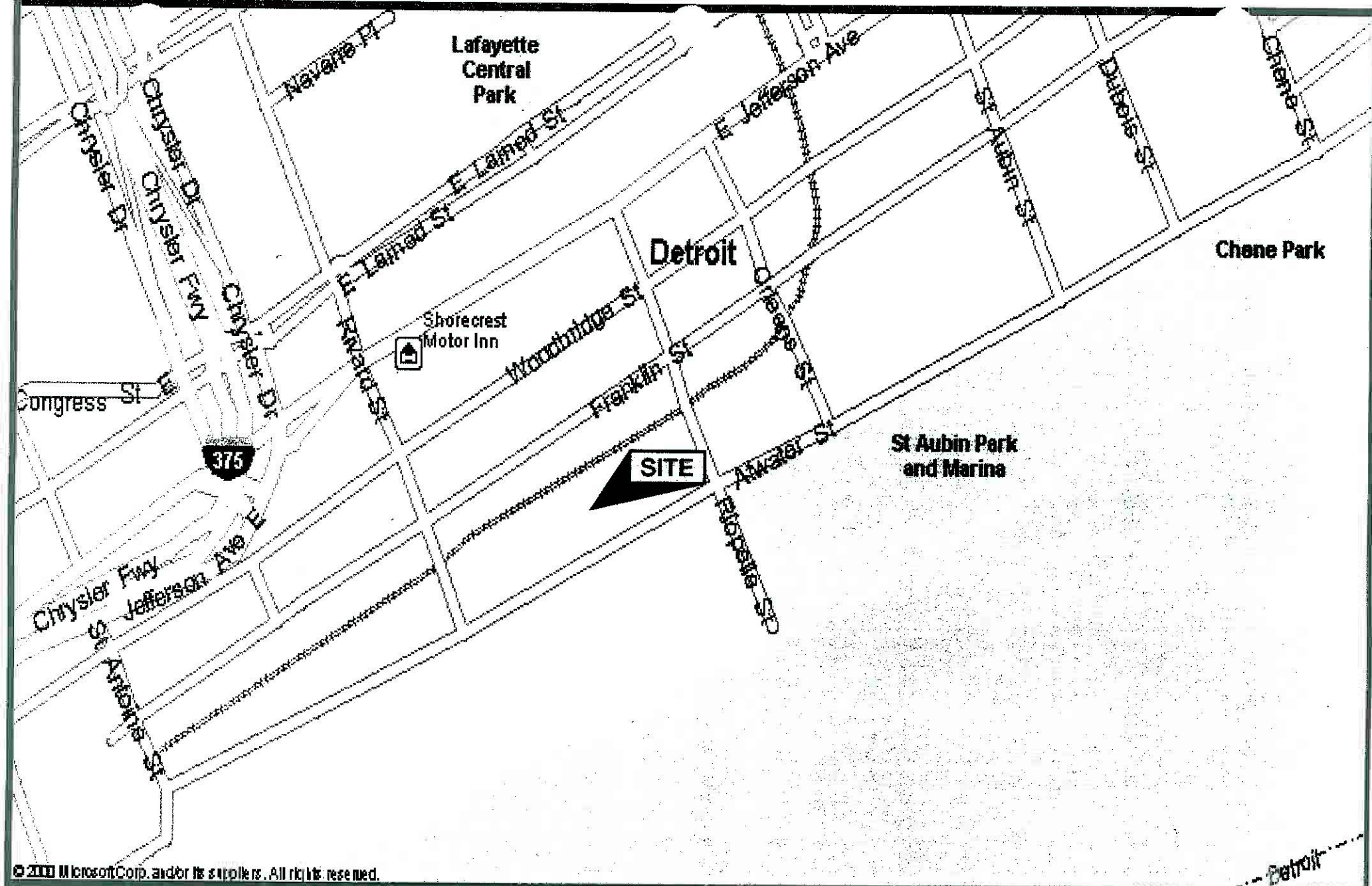
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Senior Project Manager
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Detroit, Michigan Office

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fax: 313-962-0966

FIGURES



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SUBJECT PROPERTY LOCATION MAP

@WATER LOFTS
ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER : 5133D

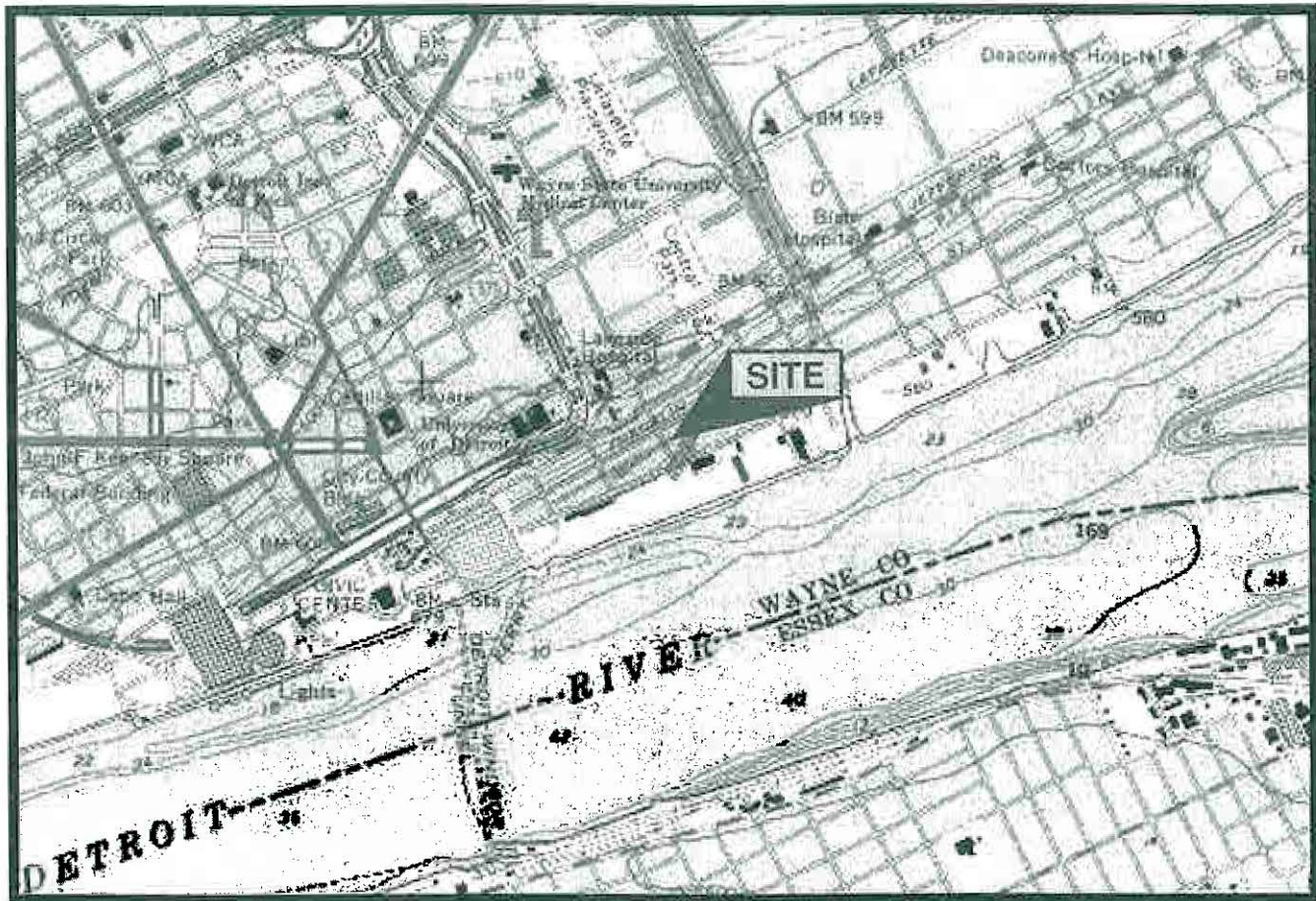
LEGEND



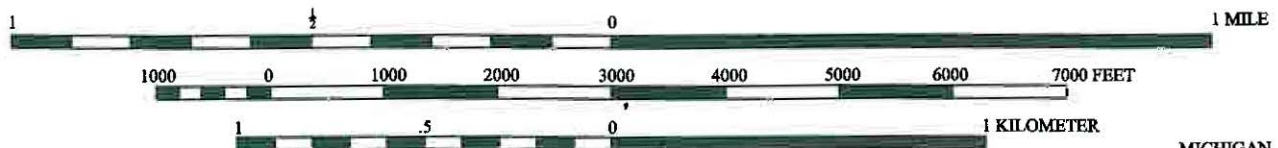
DRAWN BY: JM
DATE: 08.21.06

FIGURE 1

DETROIT QUADRANGLE
MICHIGAN - WAYNE COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.2 S. - R.12 E.



CONTOUR INTERVAL 5 FEET
 DATUM IS MEAN SEA LEVEL



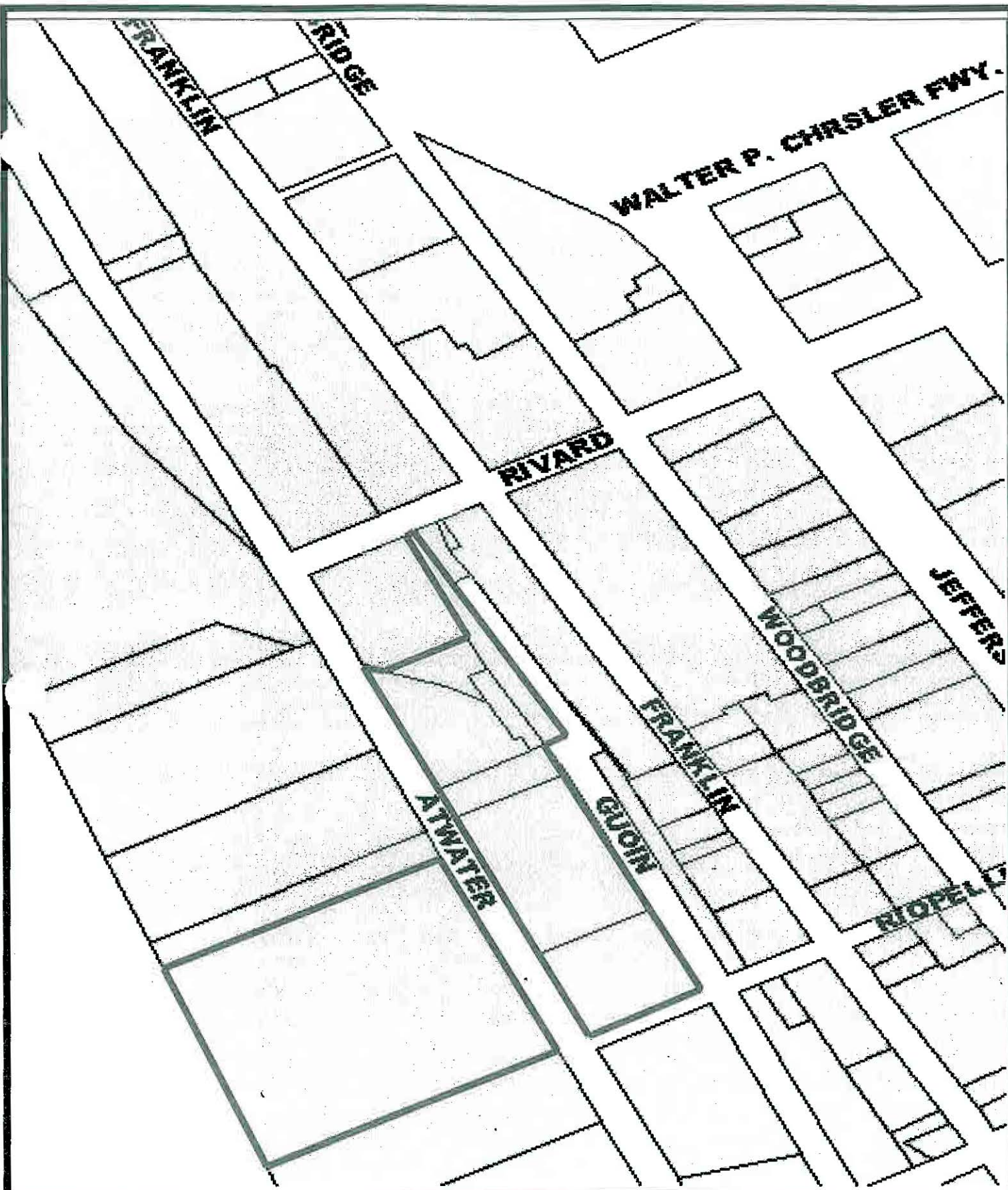
IMAGE TAKEN FROM 1968 U.S.G.S. TOPOGRAPHIC MAP
 PHOTOREVISED 1973 AND 1980

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TOPOGRAPHIC LOCATION MAP
 @WATER LOFTS
 ATWATER STREET
 DETROIT, MICHIGAN
 PROJECT NUMBER : 5133D

DRAWN BY: MB
 DATE: 08.21.06

FIGURE 2

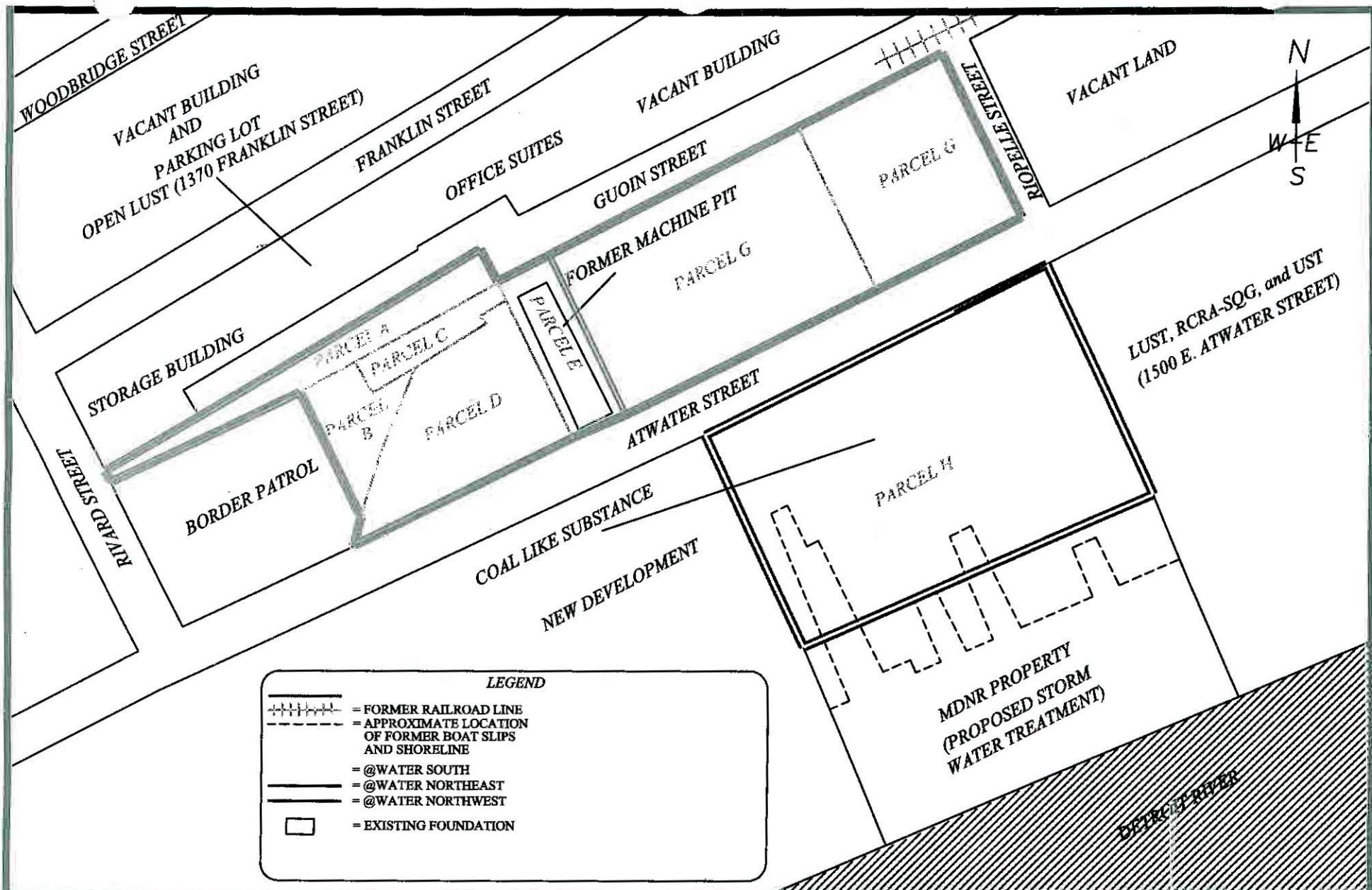


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PARCEL MAP
@WATER LOFTS
ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER : 5133D

DRAWN BY: MB
DATE: 08.23.06

FIGURE 3



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SUBJECT PROPERTY MAP

@WATER LOFTS
ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER : 5133D

DRAWN BY: MB
DATE: 08.23.06

0 75 150
SCALE: 1" = 150' ±

FIGURE 4

APPENDIX A

GENERAL LIMITATIONS AND EXCEPTIONS

General Limitations and Exceptions

Subject to the proposal, scope-of-services, and the related terms and conditions referenced in Section 1.0 of this Phase I ESA, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages.

Although AKT Peerless believes that the findings, opinions, and recommendations contained herein are reliable and appropriate, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive, or that the information obtained from any data sources is complete or accurate.

Along with the inherent limitations set forth in various sections of ASTM Standard Practice E 1527-00, the accuracy and completeness of this report may be limited by the following facts or conditions:

- Due to the poor scale of the historical aerial photographs, the presence or absence of small features (e.g., individual drums, fuel dispensers) could not be discerned reliably.
- AKT Peerless made reasonable efforts to determine if USTs or related equipment (collectively referred to as UST systems) are or have been present at the subject property. AKT Peerless defines reasonable efforts as obtaining and evaluating information from visual observations of unobstructed areas and from the secondary sources cited in this report. AKT Peerless recognizes, and suggests users of this assessment acknowledge, that the accuracy of our conclusions relative to the on-site presence or use of UST systems may be directly affected by the presence of physical obstructions at the time of the reconnaissance, or affected by our receipt and evaluation of incorrect information.
- AKT Peerless' evaluation of soil and groundwater features at and near the subject property was based only on published maps and other readily available information. AKT Peerless used this information to assess soil types and groundwater flow directions to determine if conditions at any nearby sites present an environmental threat to the subject property.
- Unless specifically noted otherwise, invasive investigation of any kind has not been performed during this Phase I ESA, nor has observation under floors, above ceilings, behind walls, within the surface and subsurface soil, within groundwater, within confined spaces, roof tops, or inaccessible areas been performed.
- AKT Peerless did not conduct sampling or analysis of air, soil, groundwater, surface water, or building materials as part of this Phase I ESA, unless specifically noted otherwise.
- This Phase I ESA did not include a physical inspection of the adjoining properties, which AKT Peerless observed from the subject property and from readily accessible public rights-of-way.
- AKT Peerless typically does not review historical or environmental information about nearby sites in detail unless known activities or events at a nearby site appear to present an environmental threat to the subject property.
- AKT Peerless' scope of services did not include conducting a review of property title documentation. AKT Peerless requested property title documentation and environmental cleanup liens from the Client, but was not provided this information, unless specifically

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environmental services

noted otherwise. However, as described in this report, AKT Peerless made reasonable attempts to determine if the State Environmental Agency maintains documentation regarding environmental liens recorded against the subject property.

- This assessment did not include a review or audit of operational environmental compliance issues, or of any environmental management systems, that may be associated with the subject property.
- This Phase I ESA did not include any investigation or evaluation of issues not specifically related to petroleum products or hazardous substances as defined in CERCLA (i.e., other areas of potential business environmental risk such as radon, lead in drinking water, etc.).
- The information and opinions contained in the report are given in light of this assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed-upon by the parties and as limited therein.
- Although AKT Peerless believes the results contained in herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive, or that the information provided by the Client, third parties, or the secondary information sources cited in this report is complete or accurate.
- AKT Peerless is not in a position to provide an opinion regarding the Fair Market Value of the subject property. Therefore, a comparison of the purchase price of the subject property to other similar real estate transactions was not conducted during this assessment.
- Nothing in this report constitutes a legal opinion or legal advice. For information regarding individual or organizational liability, AKT Peerless recommends consultation with independent legal counsel.
- AKT Peerless relied upon specific knowledge of the Client, or information provided to the Client, to identify environmental liens, institutional controls, or property valuation issues. As possible within the time frame and cost of this project, AKT Peerless looked for any obvious environmental information regarding these issues made readily available during the course of this ESA.
- The information and opinions presented in this report are for the exclusive use of the Client. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without written consent from the Client, or as required by law or by a Court order.
- Any third parties to whom the right to rely on the contents of this report have been granted by AKT Peerless, which is explicitly required prior to any third-party release, expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and the Client.

APPENDIX B
LEGAL DESCRIPTION

Address	Parcel ID	Legal Description
1364 Franklin	5/000016	S FRANKLIN PT OF VAC GUOIN ST LYG E OF RIVARD ST AND N OF ATWATER ST BG IN PC 181 & 132 DESC AS BEG AT A PTE N 26D 17M 33S W 175 FT FROM THE N E COR OF RIVARD AND ATWATER STS 50 FT WD TH N 26D 17M 33S W 11.96 FT TH N 59D 51M 18S E 474.83 FT ALG THE LINE OF GUION ST TH S 26D 58M 02SE 38.66 FT TO THE SLY LINE GUION ST TH S 59D 51M 18S W 247.63 FT TH N 26D 17M 33S W 5.8 FT TH S 65D 07M 46S W 227.21 FT TO P O B 5/---- 14678 SQ FT BET RIVARD AND RIOPELLE
1365 E. Atwater	5/000010	N E ATWATER ST W 33.33 FT OF E 99.33 FT A A TRIANG LOT LYG N OF G MULLETT FARM P C 7 & 132 5/5 33.33 IRREG
1370 Guoin	5/000012	S GUOIN ST W 142.25 FT E LYG N OF LOT C D & F MULLETT FARM P C 7 & 132 5/5 142.61 IRREG
1325 E. Atwater	5/000009	N ATWATER ALL THAT PT OF PC 7 AND 132 LYG N OF & ADJ ATWATER ST DESC AS FOLS BEG AT A PTE DIST 87.62 FT N 65D 33M E FROM INTSEC OF W LINE OF P C 7 & 132 & N LINE OF ATWATER ST TH N 17D 46M 12S E 132.32 FT TH N 21D 2M E 80.67 FT TH N 63D 16M 13S E 84.95 FT TH N 26D 16M W 10.32 FT TH N 65D 33M E 33.33 FT TH S 26D 16M E 169.58 FT TH S 65D 33M W 269.65 FT TO P O B 5/5 30,809 SQ FT
1399 E. Atwater	5/000011	N E ATWATER ST E 66 FT N & ADJ ATWATER ST BG N 193.01 FT ON W LINE BG N 200 FT ON E LINE OF MULLETT FARM P C 7 & 132 5/5 12,480 SQ FT
1461 E. Atwater	7/000007	N ATWATER 8-9-10 W 1/2 11 W 1/2 12 PLAT OF GUOIN FARM L11 P596 DEEDS, W C R 7/3 60,600 SQ FT
1471 E. Atwater	7/000008	N ATWATER E 1/2 11 E 1/2 12 PLAT OF GUOIN FARM L11 P596 DEEDS, W C R 7/3 12-13 SUB OF RIOPELLE FARM L15 P394-5 CITY RECORDS, WCR 7/2 7-6-5 COMMISSIONERS SUB L276 P289 DEEDS, W C R 7/4 36,000 SQ FT
1470 E. Atwater	7/000005	S ATWATER 3 THRU 1 SUB OF RIOPELLE FARM L15 P394-5 CITY RECORDS, WCR 7/2 6 THRU 2 PLAT OF GUOIN FARM L11 P596 DEEDS, W C R 7/3 213,963 SQ FT

APPENDIX C
RECONNAISSANCE PHOTOGRAPHS



*PHOTOGRAPH NO. 1: SUBJECT PROPERTY (PARCELS A, B, C, D, E, F, AND G)
AS VIEWED FACING NORTH*



*PHOTOGRAPH NO. 2: SUBJECT PROPERTY (PARCEL A)
AS VIEWED FACING EAST*

AKT PEERLESS
environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.9.06

PROJECT NUMBER: S133D-1-17



*PHOTOGRAPH NO. 3: SUBJECT PROPERTY (PARCELS B, C, D, E, F, AND G)
AS VIEWED FACING EAST*



*PHOTOGRAPH NO. 4: SUBJECT PROPERTY (PARCELS F, AND G)
AS VIEWED FACING SOUTH*

AKTPEERLESS
environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.9.06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO. 5: SUBJECT PROPERTY (PARCELS A, B, C, D, AND E)
AS VIEWED FACING SOUTH*



*PHOTOGRAPH NO. 6: SUBJECT PROPERTY (PARCELS A, B, C, D, E, F, AND G)
AS VIEWED FACING WEST*

AKT **PEERLESS**
environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.9.06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO. 7: SUBJECT PROPERTY (PARCEL E)
STAINING ON EXISTING FOUNDATION*



*PHOTOGRAPH NO. 8: SUBJECT PROPERTY (PARCEL E)
POSSIBLE PIT WITHIN EXISTING FOUNDATION*

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RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10/9/06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO. 9: SUBJECT PROPERTY (PARCEL D)
POSSIBLE BUILDING FOUNDATION*



*PHOTOGRAPH NO. 10: NORTHERN ADJOINING PROPERTY OF PARCELS A, B, C, D, E, F, AND G
1490 FRANKLINS STREET*

AKT PEERLESS
environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: DATE 10/9/06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO. 11: NORTHERN ADJOINING PROPERTY
FILL PORTS LOCATED ON EAST SIDE*



*PHOTOGRAPH NO. 12: EASTERN ADJOINING PROPERTY OF PARCELS A, B, C, D, E, F, AND G
VACANT LAND*

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environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.9.06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO. 13: WESTERN ADJOINING PROPERTY OF PARCELS A, B, C, D, E, F, AND G
1303 ATWATER STREET*



*PHOTOGRAPH NO. 14: SUBJECT PROPERTY (PARCEL H)
AS VIEWED FACING NORTH*

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environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BABORSKI
DATE: 10/9/05

PROJECT NUMBER: S133D-1-17



*PHOTOGRAPH NO. 15: SUBJECT PROPERTY (PARCEL H)
AS VIEWED FACING EAST*



*PHOTOGRAPH NO. 16: SUBJECT PROPERTY (PARCEL H)
AS VIEWED FACING SOUTH*

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environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10/10/06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO. 17: SUBJECT PROPERTY (PARCEL H)
AS VIEWED FACING WEST*



PHOTOGRAPH NO. 18: DEBRIS PILE LOCATED ON NORTHERN PORTION OF THE SUBJECT PROPERTY (PARCEL H)

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environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.10.05

PROJECT NUMBER: S133D-1-17



PHOTOGRAPH NO. 19: COAL LOCATED ON THE WESTERN PORTION OF THE SUBJECT PROPERTY (PARCEL H).



*PHOTOGRAPH NO. 20: EASTERN ADJOINING PROPERTY OF PARCEL H
VACANT LAND*

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environmental services

RECONNAISSANCE PHOTOGRAPHS

ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.10.06

PROJECT NUMBER: 5133D-1-17



*PHOTOGRAPH NO.21: SOUTHERN ADJOINING PROPERTY OF PARCEL H
DETROIT RIVER*



*PHOTOGRAPH NO.22: WESTERN ADJOINING PROPERTY OF PARCEL H
1440 E. ATWATER STREET*

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RECONNAISSANCE PHOTOGRAPHS

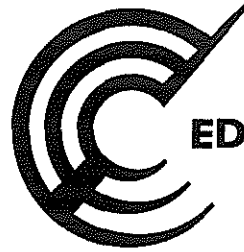
ATWATER LOFTS
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.10.06

PROJECT NUMBER: 51333D-1-17

APPENDIX D

STANDARD ENVIRONMENTAL RECORD DATABASE REPORT



EDR® Environmental
Data Resources Inc

The EDR Radius Map™ Report

**Atwater Lofts
Atwater Street
Detroit, MI 48207**

Inquiry Number: 1718451.1s

July 20, 2006

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06461**

Nationwide Customer Service

Telephone: 1-800-352-0050

Fax: 1-800-231-6802

Internet: www.edrnet.com

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	34
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

ATWATER STREET
DETROIT, MI 48207

COORDINATES

Latitude (North): 42.332200 - 42° 19' 55.9"
Longitude (West): 83.030700 - 83° 1' 50.5"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 332691.8
UTM Y (Meters): 4688444.0
Elevation: 580 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-C1 DETROIT, MI
Most Recent Revision: 1980

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

EXECUTIVE SUMMARY

ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

DEL SHWS.....	Delisted List of Contaminated Sites
SWF/LF.....	Solid Waste Facilities Database
HIST LF.....	Inactive Solid Waste Facilities
AST.....	Aboveground Tanks
PEAS.....	Pollution Emergency Alerting System
AUL.....	Engineering and Institutional Controls
DRYCLEANERS.....	Drycleaning Establishments
BROWNFIELDS.....	Brownfields and USTfield Site Database
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN UST.....	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FERRO MFG CO	1367 FRANKLIN ST	0 - 1/8 NNW	A1	6
CRAIN COMMUNICATIONS INC	1400 WOODBRIDGE AVE	0 - 1/8 N	4	8
WOLVERINE TOOL	1480 WOODBRIDGE	0 - 1/8 N	5	9
SEYMOUR CADILLAC	1522 WOODBRIDGE	1/8 - 1/4 NNE	7	11
RIVERSIDE FORD TRUCK DEPT	1555 E JEFFERSON	1/8 - 1/4 N	13	19
MICHIGAN BELL TELEPHONE CO	1000 E JEFFERSON	1/8 - 1/4 WNW	C14	19
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
INLAND LAKES MANAGEMENT AT LAF	1500 E ATWATER ST	1/8 - 1/4 ENE	B8	11
LAFARGE CORPORATION	1500 E ATWATER ST	1/8 - 1/4 ENE	B9	12

STATE AND LOCAL RECORDS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's' Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 05/18/2006 has revealed that there are 3 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
A.T. WAGNER PROPERTY Facility Status: Inactive - no actions taken to address contamination	2720 WIGHT STREET	1/2 - 1 ENE	28	32
HUDSONS BLDG. Facility Status: Interim Response conducted - No further activities anticipated	1206 WOODWARD AVENUE	1/2 - 1 W	29	32
DETROIT METROPOLITAN BLDG Facility Status: Interim Response in progress	33 JOHN R	1/2 - 1 WNW	30	33

EXECUTIVE SUMMARY

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 06/13/2006 has revealed that there are 11 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CRAIN COMMUNICATIONS INC Facility Status: Closed	1370 FRANKLIN ST	0 - 1/8 NNW	A2	6
AMBASSADOR STEEL CO Facility Status: Open	1469 ATWATER ST	0 - 1/8 E	3	7
KOENIG CONCRETE Facility Status: Closed Facility Status: Open	1470 ATWATER ST	1/8 - 1/4 ENE	6	9
REN-CEN SERVICE GARAGE Facility Status: Closed Facility Status: Closed	901 ATWATER ST	1/8 - 1/4 WSW	12	16
RIVERSIDE FORD INC Facility Status: Open Facility Status: Closed	1833 E JEFFERSON	1/4 - 1/2 NNE	17	20
SPEEDWAY #8735 Facility Status: Closed Facility Status: Open	711 E JEFFERSON AVE	1/4 - 1/2 W	18	23
MOBIL Facility Status: Open Facility Status: Open	2010 E JEFFERSON	1/4 - 1/2 NNE	21	25
MEDUSA CEMENT CO Facility Status: Open	2122 ATWATER ST	1/4 - 1/2 ENE	D24	30
JEFFERSON CHEVROLET Facility Status: Open	2130 JEFFERSON	1/4 - 1/2 NE	26	31
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAFARGE CORPORATION Facility Status: Open	1500 E ATWATER ST	1/8 - 1/4 ENE	B9	12
GLOBE TRADING BUILDING PROPERT Facility Status: Open	1801 EAST ATWATER STREE	1/8 - 1/4 ENE	B11	15

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 03/13/2006 has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CRAIN COMMUNICATIONS INC	1370 FRANKLIN ST	0 - 1/8 NNW	A2	6
AMBASSADOR STEEL CO	1469 ATWATER ST	0 - 1/8 E	3	7
KOENIG CONCRETE	1470 ATWATER ST	1/8 - 1/4 ENE	6	9
REN-CEN SERVICE GARAGE	901 ATWATER ST	1/8 - 1/4 WSW	12	16
DETROIT RIVERFRONT #1 ESS	1000 E JEFFERSON AVE	1/8 - 1/4 WNW	C15	19

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAFARGE CORPORATION	1500 E ATWATER ST	1/8 - 1/4 ENE	B9	12

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 06/16/2006 has revealed that there are 9 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	240 ORLEANS, 1939 1990	1/8 - 1/4 NE	10	15
Not reported	965 E. JEFFERSON AVE	1/8 - 1/4 WNW	16	20
COMERICA BANK	660 WOODBRIDGE STREET	1/4 - 1/2 W	19	24
EMANUEL STEWARD'S PLACE (FORME	1940 E. JEFFERSON AVENU	1/4 - 1/2 NNE	20	24
WOODBRIDGE PROPERTY	600 WOODBRIDGE	1/4 - 1/2 WSW	22	29
CITY OF DETROIT	2111 EAST ATWATER ST	1/4 - 1/2 ENE	D23	29
CITY OF DETROIT	2122 EAST ATWATER ST	1/4 - 1/2 ENE	D25	30

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAFARGE CORPORATION	1500 E ATWATER ST	1/8 - 1/4 ENE	B9	12
GLOBE TRADING BUILDING PROPERT	1801 EAST ATWATER STREE	1/8 - 1/4 ENE	B11	15

EDR PROPRIETARY RECORDS

EDR Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DETROIT GAS CO- CHENE STREET S	FRANKLIN AND CHENE	1/2 - 1 ENE	27	32

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

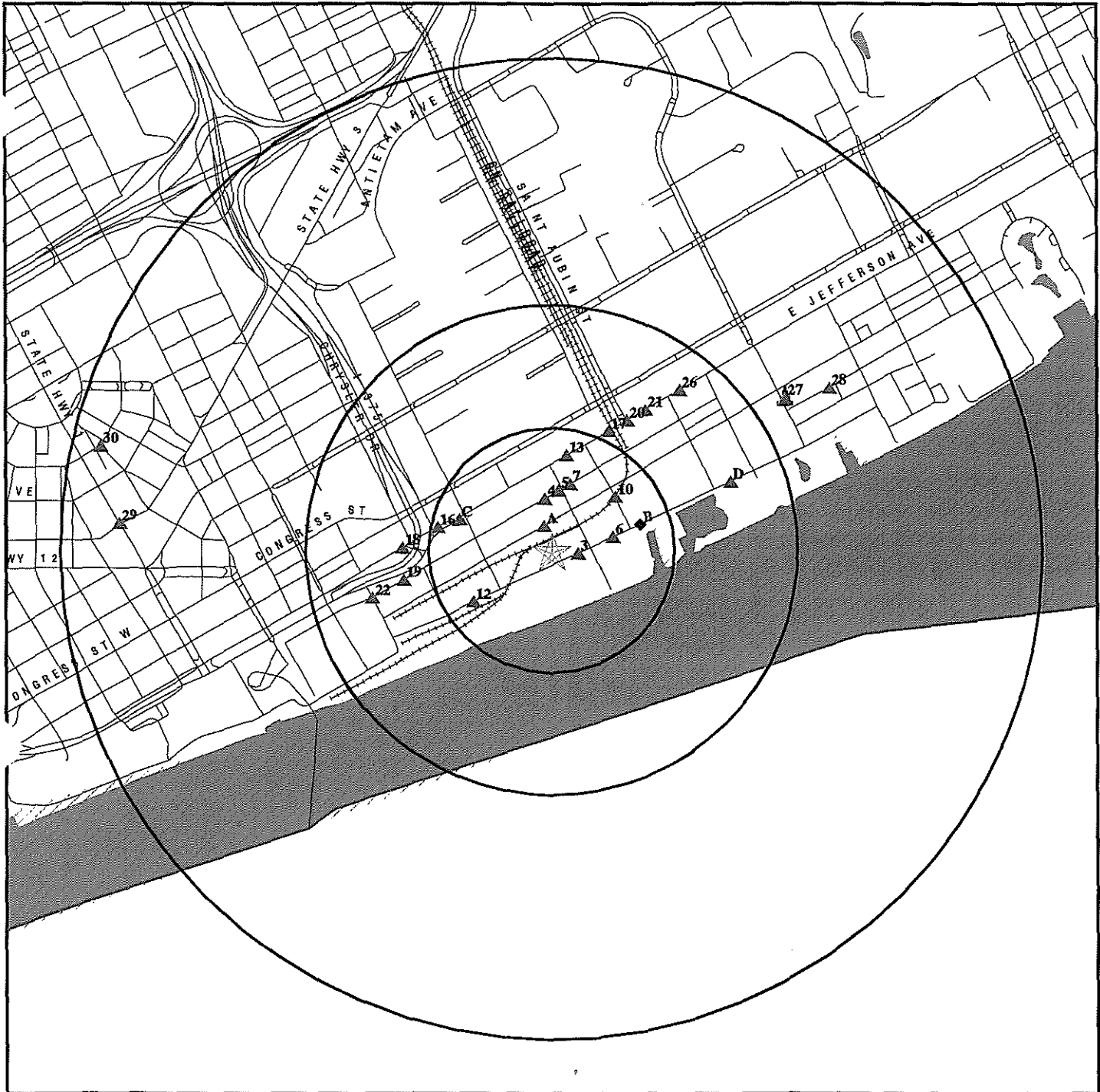
Site Name

SHELL RETAIL GASOLINE STATION
FREE PRESS GARAGE
JEFFERSON-CHENE PROPERTY
3000 ASSOCIATES LLC
CITY OF DETROIT
AMMORI INVESTMENTS, INC.
(FORMER) BLAIN HOSPITAL
0.349 ACRE RIVERWALK EASEMENT PROP
HEALTH PLAN OF MICHIGAN INC.

Database(s)

AUL
LUST, UST
US BROWNFIELDS
BEA
BEA
BEA
BEA
BEA
BEA

OVERVIEW MAP - 1718451.1s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— County Boundary

— Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

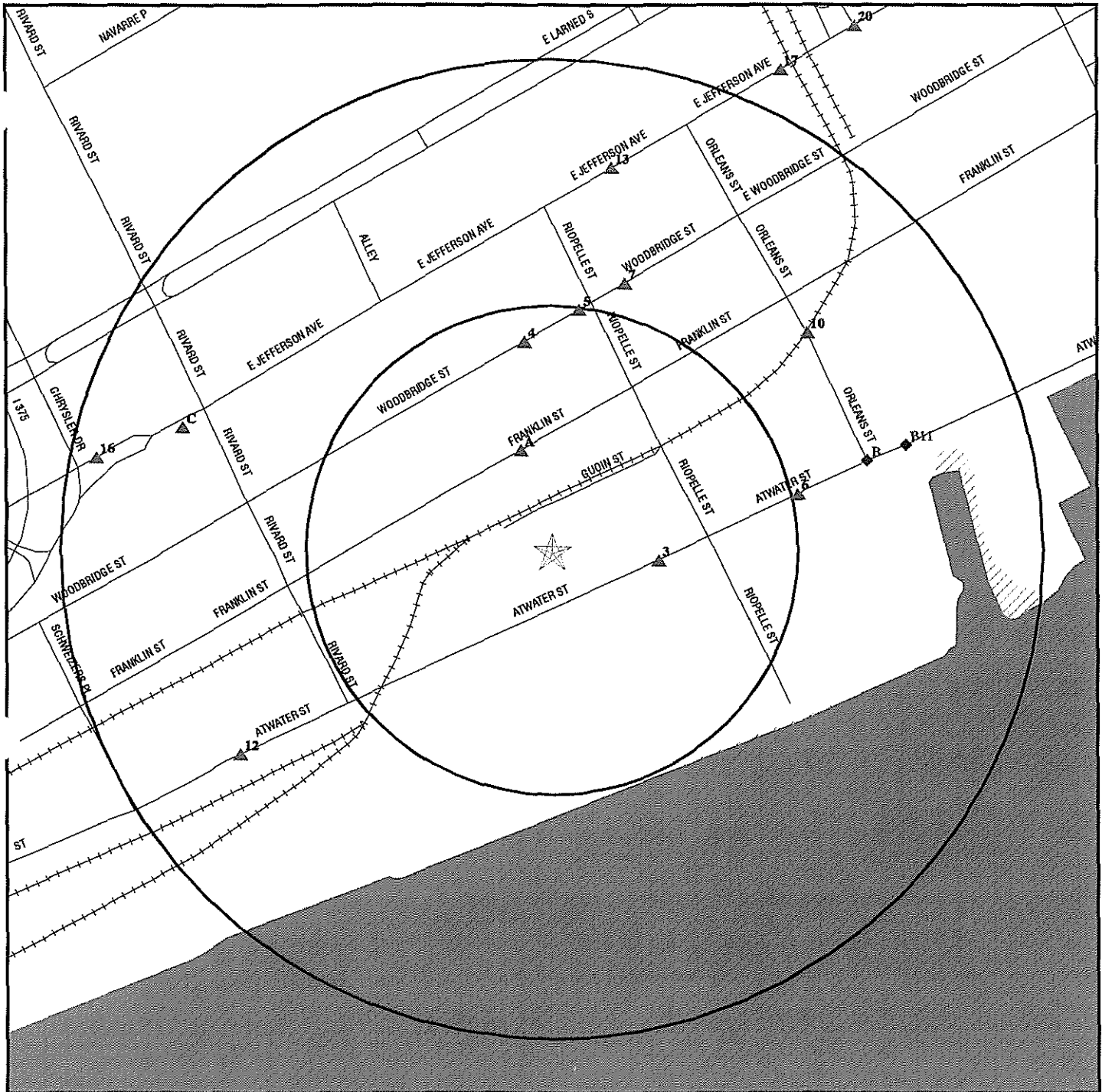
■ State Wetlands

0 1/4 1/2 1 Miles

SITE NAME: Atwater Lofts
ADDRESS: Atwater Street
Detroit MI 48207
LAT/LONG: 42.3322 / 83.0307

CLIENT: AKT Peerless Env. Services
CONTACT: Tim McGahey
INQUIRY #: 1718451.1s
DATE: July 20, 2006

DETAIL MAP - 1718451.1s



☆ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

▲ Sensitive Receptors

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

SITE NAME: Atwater Lofts
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Detroit MI 48207
LAT/LONG: 42.3322 / 83.0307

CLIENT: AKT Peerless Env. Services
CONTACT: Tim McGahey
INQUIRY #: 1718451.1s
DATE: July 20, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	3	5	NR	NR	NR	8
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	3	NR	3
DEL SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
LUST		0.500	2	4	5	NR	NR	11
UST		0.250	2	4	NR	NR	NR	6
AST		0.250	0	0	NR	NR	NR	0
PEAS	TP		NR	NR	NR	NR	NR	0
AUL		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA		0.500	0	4	5	NR	NR	9

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1,000	0	0	0	0	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1,000	0	0	0	1	NR	1
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

A1 FERRO MFG CO
NNW 1367 FRANKLIN ST
< 1/8 DETROIT, MI 48207
282 ft.

RCRA-SQG 1000366130
FINDS MID005320965

Site 1 of 2 in cluster A

Relative:
Higher

RCRAInfo:

Contact: GS BRYCE
(313) 568-2500

Actual:
584 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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A2 CRAIN COMMUNICATIONS INC
NNW 1370 FRANKLIN ST
< 1/8 DETROIT, MI 48207
285 ft.

LUST U000267009
UST N/A

Site 2 of 2 in cluster A

Relative:
Higher

LUST:

Facility ID: 00034982
Release Date: Jan 27 1992
Facility Status: Closed
District: SE Michigan District Office
Closed Date: May 6 1994
Owner Contact : Not reported
Owner Name : Crain Communications Inc
Owner Address : 1155 Gratiot Ave
Detroit, MI 48207
Country : USA
Owner Phone : 313-446-6000
Leak Number: C-0149-92
Site Name : Crain Communications Inc.
Substance Released Gasoline

Actual:
584 ft.

UST:

Facility ID: 00034982
Facility Status: CLOSED
Tank ID: 1
Owner: Crain Communications Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1155 Gratiot Ave
Detroit, MI 48207
Owner Phone: 313-446-6000
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Jan 27 1992
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CRAIN COMMUNICATIONS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000267009

Contact: PETER JOHNSON
Contact Phone: (313) 446-1685
Impressed Device: No
Install Date: Dec 15 1952
Release Detection:
Tank: Not reported
Pipe: Not reported

3
East
< 1/8
288 ft.

AMBASSADOR STEEL CO
1469 ATWATER ST
DETROIT, MI 48207

LUST U000267128
UST N/A

Relative:
Equal

Actual:
580 ft.

LUST:

Facility ID: 00006356
Release Date: Sep 1 1992
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact: Not reported
Owner Name: Ambassador Steel Co
Owner Address: 1469 Atwater St
Detroit, MI 48207
Country: USA
Owner Phone: (313) 259-6600
Leak Number: C-1501-92
Site Name: Ambassador Steel Co
Substance Released Diesel

UST:

Facility ID: 00006356
Facility Status: CLOSED
Tank ID: 1
Owner: Ambassador Steel Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1469 Atwater St
Detroit, MI 48207
Owner Phone: (313) 259-6600
Product: Diesel
Capacity: 5500
Tank Status: Removed from Ground
Remove Date: Sep 1 1992
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: RONALD POCHINCO
Contact Phone: (313) 259-6600
Impressed Device: No
Install Date: Feb 4 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00006356
Facility Status: CLOSED
Tank ID: 2
Owner: Ambassador Steel Co
Owner Country: USA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMBASSADOR STEEL CO (Continued)

U000267128

Owner Contact: Not reported
Owner Address: 1469 Atwater St
Detroit, MI 48207
Owner Phone: (313) 259-6600
Product: Gasoline
Capacity: 955
Tank Status: Removed from Ground
Remove Date: Sep 1 1992
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: RONALD POCHINCO
Contact Phone: (313) 259-6600
Impressed Device: No
Install Date: Feb 4 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00006356
Facility Status: CLOSED
Tank ID: 3
Owner: Ambassador Steel Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1469 Atwater St
Detroit, MI 48207
Owner Phone: (313) 259-6600
Product: Not reported
Capacity: Not reported
Tank Status: Removed from Ground
Remove Date: Jan 1 1980
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: RONALD POCHINCO
Contact Phone: (313) 259-6600
Impressed Device: No
Install Date: Feb 4 1966
Release Detection:
Tank: Not reported
Pipe: Not reported

4
North
< 1/8
569 ft.

CRAIN COMMUNICATIONS INC
1400 WOODBRIDGE AVE
DETROIT, MI 48207

RCRA-SQG 1007099256
MIK643569379

Relative:
Higher

Actual:
590 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CRAIN COMMUNICATIONS INC (Continued)

Database(s) EDR ID Number
EPA ID Number

1007099256

RCRAInfo:
Owner: CRAIN COMMUNICATIONS INC
EPA ID: MIK643569379
Contact: LINDA HUTTON
(313) 446-0390
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

5
North
< 1/8
655 ft.

WOLVERINE TOOL
1480 WOODBRIDGE
DETROIT, MI 48207

RCRA-SQG 1004723585
FINDS MID985628924

Relative:
Higher

RCRAInfo:
Owner: GRENZKE GEORGE
EPA ID: MID985628924

Actual:
589 ft.

Contact: NORMAN GRENZKE
(313) 259-0330

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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6
ENE
1/8-1/4
677 ft.

KOENIG CONCRETE
1470 ATWATER ST
DETROIT, MI 48207

LUST U000267129
UST N/A

Relative:
Equal

LUST:
Facility ID: 00033414
Release Date: Oct 3 1994
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Aug 22 1995
Owner Contact : Not reported
Owner Name : Lafarge Corp
Owner Address : 1435 FORD AVE PO BOX 396
SOUTHFIELD, MI 48037
Country : USA
Owner Phone : (313) 354-9050
Leak Number: C-0284-90
Site Name : Lafarge Corporation - Detroit Te
Substance Released Unknown,Unknown

Facility ID: 00033414
Release Date: Apr 16 1990

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

KOENIG CONCRETE (Continued)

U000267129

Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Lafarge Corp
Owner Address : 1435 FORD AVE PO BOX 396
SOUTHFIELD, MI 48037
Country : USA
Owner Phone : (313) 354-9050
Leak Number: C-1226-95
Site Name : Lafarge Detroit Terminal
Substance Released Gasoline

UST:

Facility ID: 00033414
Facility Status: CLOSED
Tank ID: 1
Owner: Lafarge Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1435 FORD AVE PO BOX 396
SOUTHFIELD, MI 48037
Owner Phone: (313) 354-9050
Product: Diesel
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Sep 5 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JERRY JAMES
Contact Phone: (313) 354-9050
Impressed Device: No
Install Date: Dec 28 1961
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00033414
Facility Status: CLOSED
Tank ID: 2
Owner: Lafarge Corp
Owner Country: USA
Owner Contact: Not reported
Owner Address: 1435 FORD AVE PO BOX 396
SOUTHFIELD, MI 48037
Owner Phone: (313) 354-9050
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Sep 5 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JERRY JAMES
Contact Phone: (313) 354-9050
Impressed Device: No
Install Date: Dec 28 1961

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KOENIG CONCRETE (Continued)

Database(s)
EDR ID Number
EPA ID Number

U000267129

Release Detection:

Tank: Not reported
Pipe: Not reported

7
NNE
1/8-1/4
748 ft.

SEYMOUR CADILLAC
1522 WOODBRIDGE
DETROIT, MI 48207

RCRA-SQG
FINDS
1000302099
MID981788318

Relative:
Higher

RCRAInfo:
Contact: ED TAUBE
(313) 259-9000

Actual:
589 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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B8
ENE
1/8-1/4
881 ft.

INLAND LAKES MANAGEMENT AT LAFARGE DOCK
1500 E ATWATER ST
DETROIT, MI 48207

RCRA-SQG
1004725472
MIR000046029

Relative:
Lower

Site 1 of 3 in cluster B

RCRAInfo:
Owner: LAFARGE CORP
EPA ID: MIR000046029
Contact: MATTHEW STUMP
(313) 259-0660

Actual:
579 ft.

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: COMPLIANCE SCHEDULE VIOLATION
Date Violation Determined: 10/27/1999
Actual Date Achieved Compliance: 02/01/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/27/1999
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined: 10/27/1999
Actual Date Achieved Compliance: 06/01/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/27/1999
Penalty Type: Not reported

Regulation Violated: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

INLAND LAKES MANAGEMENT AT LAFARGE DOCK (Continued)

EDR ID Number
EPA ID Number

Database(s)

1004725472

Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 10/27/1999
Actual Date Achieved Compliance: 06/01/2000
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/27/1999
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 10/27/1999
Actual Date Achieved Compliance: 06/01/2000
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/27/1999
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 10/27/1999
Actual Date Achieved Compliance: 06/01/2000
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/27/1999
Penalty Type: Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	COMPLIANCE SCHEDULE VIOLATION	20000201
	GENERATOR-MANIFEST REQUIREMENTS	20000601
	GENERATOR-GENERAL REQUIREMENTS	20000601
	GENERATOR-RECORDKEEPING REQUIREMENTS	20000601
	GENERATOR-LAND BAN REQUIREMENTS	20000601

B9
ENE
1/8-1/4
881 ft.

LAFARGE CORPORATION
1500 E ATWATER ST
DETROIT, MI 48207

RCRA-SQG 1000155365
FINDS MID985581073
LUST
UST
BEA

Relative:
Lower

Site 2 of 3 in cluster B

Actual:
579 ft.

RCRAInfo:
Owner: LAFARGE CORP
EPA ID: MID985581073
Contact: MICHAEL CAMPBELL
(313) 259-0660

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAFARGE CORPORATION (Continued)

1000155365

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

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LUST:

Facility ID: 00017604
Release Date: May 1 1990
Facility Status: **Open**
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Rex Trans
Owner Address : 3170 AIRPORT ST
 FLINT, MI 48507
Country : USA
Owner Phone : (313) 238-8070
Leak Number: C-0779-90
Site Name : Lafarge Corporation
Substance Released Diesel,Gasoline

BEA:

Petition Disclosure: 0
BEA Number: 396
District: Southeast MI
Date Received: 1997-07-23 00:00:00
Submitter Name: LAFARGE CORPORATION
Petition Determination: No Request
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Environmental Response Division
Secondary Address: Not reported

UST:

Facility ID: 00017604
Facility Status: CLOSED
Tank ID: 1
Owner: Rex Trans
Owner Country: USA
Owner Contact: Not reported
Owner Address: 3170 AIRPORT ST
 FLINT, MI 48507
Owner Phone: (313) 238-8070
Product: Diesel
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Sep 5 1990

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAFARGE CORPORATION (Continued)

1000155365

Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JERRY JAMES
Contact Phone: (313) 354-9050
Impressed Device: No
Install Date: Apr 29 1961
Release Detection:
Tank: Manual Tank Gauging, Tank Tightness Testing
Pipe: Not reported

Facility ID: 00017604
Facility Status: CLOSED
Tank ID: 2
Owner: Rex Trans
Owner Country: USA
Owner Contact: Not reported
Owner Address: 3170 AIRPORT ST
FLINT, MI 48507

Owner Phone: (313) 238-8070
Product: Diesel
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Sep 5 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JERRY JAMES
Contact Phone: (313) 354-9050
Impressed Device: No
Install Date: Apr 29 1961
Release Detection:
Tank: Manual Tank Gauging, Tank Tightness Testing
Pipe: Not reported

Facility ID: 00017604
Facility Status: CLOSED
Tank ID: 3
Owner: Rex Trans
Owner Country: USA
Owner Contact: Not reported
Owner Address: 3170 AIRPORT ST
FLINT, MI 48507
Owner Phone: (313) 238-8070
Product: Diesel
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: Sep 5 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: JERRY JAMES
Contact Phone: (313) 354-9050
Impressed Device: No
Install Date: Apr 29 1961
Release Detection:
Tank: Manual Tank Gauging, Tank Tightness Testing

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LAFARGE CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000155365

Pipe: Not reported

10
NE
1/8-1/4
903 ft.

240 ORLEANS, 1939 1990 AND 1999 GUION
DETROIT, MI

BEA S105768265
N/A

Relative:
Higher

Actual:
583 ft.

BEA:
Petition Disclosure: 0
BEA Number: 1516
District: Southeast MI
Date Received: 2001-10-15 00:59:00
Submitter Name: Ecomonic Development Corp
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: novake
Division Assigned: Environmental Response Division
Secondary Address: Not reported

B11
ENE
1/8-1/4
992 ft.

GLOBE TRADING BUILDING PROPERTY
1801 EAST ATWATER STREET
DETROIT, MI 48207

LUST S103028806
BEA N/A

Relative:
Lower

Actual:
579 ft.

Site 3 of 3 in cluster B

LUST:
Facility ID: 50000028
Release Date: Jan 1 1990
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Nrt Owner
Owner Address : Unknown
Unknown, MI 99999
Country : USA
Owner Phone : Not reported
Leak Number: C-0107-98
Site Name : Globe Trading Company
Substance Released Unknown

BEA:

Petition Disclosure: 1
BEA Number: 529
District: Southeast MI
Date Received: 1998-02-03 00:00:00
Submitter Name: GLOBE ASSOCIATES, L.L.C.
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division
Secondary Address: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

12
WSW
1/8-1/4
1000 ft.

REN-CEN SERVICE GARAGE
901 ATWATER ST
DETROIT, MI 48207

LUST **U000268985**
UST **N/A**

Relative:
Equal

Actual:
580 ft.

LUST:

Facility ID: 00002121
Release Date: May 13 1994
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Dec 28 1995
Owner Contact : Not reported
Owner Name : Riverfront Holdings Inc
Owner Address : 485 W Milwaukee St
Detroit, MI 48202
Country : USA
Owner Phone : (313) 556-0818
Leak Number: C-0470-94
Site Name : Ford Ren Cen Service Garage
Substance Released Used Oil

Facility ID: 00002121
Release Date: Aug 6 1999
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Oct 28 1999
Owner Contact : Not reported
Owner Name : Riverfront Holdings Inc
Owner Address : 485 W Milwaukee St
Detroit, MI 48202
Country : USA
Owner Phone : (313) 556-0818
Leak Number: C-0788-99
Site Name : Ren-cen Service Garage
Substance Released Unknown

Facility ID: 00002121
Release Date: May 12 1992
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Nov 16 1995
Owner Contact : Not reported
Owner Name : Riverfront Holdings Inc
Owner Address : 485 W Milwaukee St
Detroit, MI 48202
Country : USA
Owner Phone : (313) 556-0818
Leak Number: C-0764-92
Site Name : Ford Ren Cen Service Garage
Substance Released Gasoline

UST:

Facility ID: 00002121
Facility Status: CLOSED
Tank ID: 1
Owner: Riverfront Holdings Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 485 W Milwaukee St
Detroit, MI 48202

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

REN-CEN SERVICE GARAGE (Continued)

U000268985

Owner Phone: (313) 556-0818
Product: NEW MOTOR OIL
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: May 12 1994
Constr Material: Fiberglass Reinforced plastic
Piping Material: Cathodically Protected, Galvanized Steel
Piping Type: Suction: No Valve At Tank
Contact: ANN M GRANITI
Contact Phone: (313) 556-0818
Impressed Device: No
Install Date: Apr 24 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002121
Facility Status: CLOSED
Tank ID: 2
Owner: Riverfront Holdings Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 485 W Milwaukee St
Detroit, MI 48202

Owner Phone: (313) 556-0818
Product: Used Oil
Capacity: 2000
Tank Status: Removed from Ground
Remove Date: May 12 1994
Constr Material: Fiberglass Reinforced plastic
Piping Material: CAST IRON
Piping Type: Not reported
Contact: ANN M GRANITI
Contact Phone: (313) 556-0818
Impressed Device: No
Install Date: Apr 24 1978
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00002121
Facility Status: CLOSED
Tank ID: 3
Owner: Riverfront Holdings Inc
Owner Country: USA
Owner Contact: Not reported
Owner Address: 485 W Milwaukee St
Detroit, MI 48202

Owner Phone: (313) 556-0818
Product: Gasoline
Capacity: 10000
Tank Status: Removed from Ground
Remove Date: Feb 14 1992
Constr Material: Fiberglass Reinforced plastic
Piping Material: Cathodically Protected, Galvanized Steel
Piping Type: Not reported
Contact: ANN M GRANITI

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

REN-CEN SERVICE GARAGE (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000268985

Contact Phone: (313) 556-0818

Impressed DeviceNo

Install Date: Apr 24 1978

Release Detection:

Tank: Not reported

Pipe: Not reported

Facility ID: 00002121

Facility Status: CLOSED

Tank ID: 4

Owner: Riverfront Holdings Inc

Owner Country: USA

Owner Contact: Not reported

Owner Address: 485 W Milwaukee St
Detroit, MI 48202

Owner Phone: (313) 556-0818

Product: Gasoline

Capacity: 10000

Tank Status: Removed from Ground

Remove Date: Feb 14 1992

Constr Material: Fiberglass Reinforced plastic

Piping Material: Cathodically Protected, Galvanized Steel

Piping Type: Not reported

Contact: ANN M GRANITI

Contact Phone: (313) 556-0818

Impressed DeviceNo

Install Date: Apr 24 1978

Release Detection:

Tank: Not reported

Pipe: Not reported

Facility ID: 00002121

Facility Status: CLOSED

Tank ID: 5

Owner: Riverfront Holdings Inc

Owner Country: USA

Owner Contact: Not reported

Owner Address: 485 W Milwaukee St
Detroit, MI 48202

Owner Phone: (313) 556-0818

Product: Gasoline

Capacity: 16000

Tank Status: Removed from Ground

Remove Date: Jul 29 1999

Constr Material: Epoxy Coated Steel

Piping Material: Secondary Containment

Piping Type: Suction: Valve at Tank

Contact: ANN M GRANITI

Contact Phone: (313) 556-0818

Impressed DeviceNo

Install Date: Jan 1 1992

Release Detection:

Tank: Automatic Tank Gauging, Inter Monitoring Double Walled Tank, Inter
Monitoring/Second Containment

Pipe: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

13 RIVERSIDE FORD TRUCK DEPT
North 1555 E JEFFERSON
1/8-1/4 DETROIT, MI 48207
1044 ft.

RCRA-SQG 1000828039
FINDS MID985650852

Relative:
Higher

RCRAInfo:
Contact: LES CASEY
(313) 567-0250

Actual:
594 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C14 MICHIGAN BELL TELEPHONE CO
WNW 1000 E JEFFERSON
1/8-1/4 DETROIT, MI 48226
1046 ft.

RCRA-SQG 1000237685
FINDS MID982633737

Relative:
Higher

Site 1 of 2 in cluster C

RCRAInfo:
Owner: MICHIGAN BELL TEL CO
EPA ID: MID982633737
Contact: MANDY BOHLMANN
(877) 648-2073

Actual:
606 ft.

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C15 DETROIT RIVERFRONT #1 ESS
WNW 1000 E JEFFERSON AVE
1/8-1/4 DETROIT, MI 48207
1050 ft.

UST U003322277
N/A

Relative:
Higher

Site 2 of 2 in cluster C

UST:
Facility ID: 00011688
Facility Status: ACTIVE
Tank ID: 1
Owner: SBC Michigan
Owner Country: USA
Owner Contact: Not reported
Owner Address: 3 SBC Plaza (Room #900) 308 S Akard St
Dallas, TX 75202

Actual:
606 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

DETROIT RIVERFRONT #1 ESS (Continued)

U003322277

Owner Phone: (866) 492-6936
Product: Diesel
Capacity: 6000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Fiberglass Reinforced plastic
Piping Material: Unknown
Piping Type: Suction: Valve at Tank
Contact: Environmental Management (Cheryl Allen)
Contact Phone: (866) 492-6836
Impressed Device: No
Install Date: May 8 1974
Release Detection:
Tank: Automatic Tank Gauging, Manual Tank Gauging
Pipe: Interstitial Monitoring/Second Containment

16
WNW
1/8-1/4
1250 ft.

965 E. JEFFERSON AVE
DETROIT, MI

BEA S105768147
N/A

Relative:
Higher

BEA:

Petition Disclosure: 1
BEA Number: 1571
District: Southeast MI
Date Received: 2001-12-11 00:59:00
Submitter Name: 965 Associates LLC
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: novake
Division Assigned: Environmental Response Division
Secondary Address: Not reported

17
NNE
1/4-1/2
1431 ft.

RIVERSIDE FORD INC
1833 E JEFFERSON
DETROIT, MI 48207

RCRA-SQG 1000218204
FINDS MID109195412
LUST
UST

Relative:
Higher

RCRAInfo:

Contact: NELSON SHIPE
(313) 567-0250
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

Actual:
590 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00010648
Release Date: Nov 2 2003
Facility Status: Open

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RIVERSIDE FORD INC (Continued)

1000218204

District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Robert A Maxey
Owner Address : 16901 Mack Ave
Detroit, MI 48224
Country : USA
Owner Phone : 313-885-4000
Leak Number: C-0483-03
Site Name : Maxey Ford
Substance Released Gasoline

Facility ID: 00010648
Release Date: Dec 12 1989
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jul 8 1994
Owner Contact : Not reported
Owner Name : Robert A Maxey
Owner Address : 16901 Mack Ave
Detroit, MI 48224
Country : USA
Owner Phone : 313-885-4000
Leak Number: C-1096-89
Site Name : Ford Riverside
Substance Released Not reported

UST:

Facility ID: 00010648
Facility Status: CLOSED
Tank ID: 1
Owner: Robert A Maxey
Owner Country: USA
Owner Contact: Not reported
Owner Address: 16901 Mack Ave
Detroit, MI 48224
Owner Phone: 313-885-4000
Product: Used Oil
Capacity: 300
Tank Status: Removed from Ground
Remove Date: Oct 1 1985
Constr Material: Unknown
Piping Material: Galvanized Steel
Piping Type: Not reported
Contact: Bud Reis
Contact Phone: (313) 254-0690
Impressed DeviceNo
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00010648
Facility Status: CLOSED
Tank ID: 2
Owner: Robert A Maxey
Owner Country: USA
Owner Contact: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RIVERSIDE FORD INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000218204

Owner Address: 16901 Mack Ave
Detroit, MI 48224
Owner Phone: 313-885-4000
Product: Not reported
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Nov 11 1989
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: Bud Reis
Contact Phone: (313) 254-0690
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00010648
Facility Status: CLOSED
Tank ID: 3
Owner: Robert A Maxey
Owner Country: USA
Owner Contact: Not reported
Owner Address: 16901 Mack Ave
Detroit, MI 48224
Owner Phone: 313-885-4000
Product: UNKNOWN
Capacity: 550
Tank Status: Removed from Ground
Remove Date: Nov 11 1989
Constr Material: Unknown
Piping Material: Unknown
Piping Type: Not reported
Contact: Bud Reis
Contact Phone: (313) 254-0690
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00010648
Facility Status: CLOSED
Tank ID: 4
Owner: Robert A Maxey
Owner Country: USA
Owner Contact: Not reported
Owner Address: 16901 Mack Ave
Detroit, MI 48224
Owner Phone: 313-885-4000
Product: Gasoline
Capacity: 3000
Tank Status: Removed from Ground
Remove Date: Oct 23 2003
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RIVERSIDE FORD INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000218204

Piping Type: Not reported
Contact: Bud Reis
Contact Phone: (313) 254-0690
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00010648
Facility Status: CLOSED
Tank ID: 5
Owner: Robert A Maxey
Owner Country: USA
Owner Contact: Not reported
Owner Address: 16901 Mack Ave
Detroit, MI 48224
Owner Phone: 313-885-4000
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: Oct 28 2003
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: Bud Reis
Contact Phone: (313) 254-0690
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

18
West
1/4-1/2
1602 ft.

SPEEDWAY #8735
711 E JEFFERSON AVE
DETROIT, MI 48226

LUST S105551083
N/A

Relative:
Higher

Actual:
597 ft.

LUST:

Facility ID: 00016411
Release Date: Jun 4 1997
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Jun 5 2001
Owner Contact: Not reported
Owner Name: Speedway Superamerica LLC
Owner Address: Po Box 1500
Springfield, OH 45501
Country: USA
Owner Phone: (937) 864-3000
Leak Number: C-0379-97
Site Name: Total #4235
Substance Released: Gasoline

Facility ID: 00016411
Release Date: Oct 21 2005
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SPEEDWAY #8735 (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105551083

Owner Contact : Not reported
Owner Name : Speedway Superamerica LLC
Owner Address : Po Box 1500
Springfield, OH 45501
Country : USA
Owner Phone : (937) 864-3000
Leak Number: C-0273-05
Site Name : Speedway #8735
Substance Released Gasoline,Gasoline,Gasoline,Gasoline

Facility ID: 00016411
Release Date: Apr 18 1991
Facility Status: Closed
District: SE Michigan District Office
Closed Date: Sep 24 1996
Owner Contact : Not reported
Owner Name : Speedway Superamerica LLC
Owner Address : Po Box 1500
Springfield, OH 45501
Country : USA
Owner Phone : (937) 864-3000
Leak Number: C-0784-91
Site Name : Total Station #2515
Substance Released Not reported

19
West
1/4-1/2
1619 ft.
**COMERICA BANK
660 WOODBRIDGE STREET
DETROIT, MI 48226**

BEA S104910009
N/A

Relative:
Higher

Actual:
594 ft.

BEA:
Petition Disclosure: 1
BEA Number: 103
District: Southeast MI
Date Received: 1996-04-29 00:00:00
Submitter Name: COMERICA BANK
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Environmental Response Division
Secondary Address: Not reported

20
NNE
1/4-1/2
1628 ft.
**EMANUEL STEWARD'S PLACE (FORMER)
1940 E. JEFFERSON AVENUE
DETROIT, MI 48207**

BEA S104911356
N/A

Relative:
Higher

Actual:
595 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EMANUEL STEWARD'S PLACE (FORMER) (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104911356

BEA:

Petition Disclosure: 1
BEA Number: 439
District: Southeast MI
Date Received: 1997-09-18 00:00:00
Submitter Name: 1940 ASSOCIATES, LLC
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: russelje
Division Assigned: Environmental Response Division
Secondary Address: Not reported

21
NNE
1/4-1/2
1825 ft.

MOBIL
2010 E JEFFERSON
DETROIT, MI 48207

LUST U003426025
UST N/A

Relative:
Higher

Actual:
594 ft.

LUST:

Facility ID: 00016622
Release Date: Apr 3 1991
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Michigan Fuel Retail Operation
Owner Address : 2010 E Jefferson
Detroit, MI 48207
Country : USA
Owner Phone : (248) 388-8072
Leak Number: C-0568-91
Site Name : Mobil Station #03-G91
Substance Released Not reported

Facility ID: 00016622
Release Date: Dec 21 1989
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Michigan Fuel Retail Operation
Owner Address : 2010 E Jefferson
Detroit, MI 48207
Country : USA
Owner Phone : (248) 388-8072
Leak Number: C-2774-90
Site Name : Mobil Station #03-G91
Substance Released Not reported

Facility ID: 00016622
Release Date: Feb 23 1995
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Michigan Fuel Retail Operation
Owner Address : 2010 E Jefferson
Detroit, MI 48207

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MOBIL (Continued)

U003426025

Country : USA
Owner Phone : (248) 388-8072
Leak Number: C-0102-95
Site Name : Mobil Station #03-G91
Substance Released Gasoline,Unknown

Facility ID: 00016622
Release Date: May 10 2001
Facility Status: **Open**
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Michigan Fuel Retail Operation
Owner Address : 2010 E Jefferson
 Detroit, MI 48207

Country : USA
Owner Phone : (248) 388-8072
Leak Number: C-0265-01
Site Name : Mobil Station #03-G91
Substance Released Gasoline,Unknown

Facility ID: 00016622
Release Date: Apr 26 1991
Facility Status: **Open**
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Michigan Fuel Retail Operation
Owner Address : 2010 E Jefferson
 Detroit, MI 48207

Country : USA
Owner Phone : (248) 388-8072
Leak Number: C-0698-91
Site Name : Mobil Station #03-G91
Substance Released Not reported

UST:

Facility ID: 00016622
Facility Status: ACTIVE
Tank ID: 6
Owner: Michigan Fuel Retail Operation
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2010 E Jefferson
 Detroit, MI 48207
Owner Phone: (248) 388-8072
Product: Gasoline, Diesel
Capacity: 12000
Tank Status: Currently In Use
Remove Date: Not reported
Constr Material: Double Walled
Piping Material: Double Walled
Piping Type: Pressure
Contact: Scott Jowers
Contact Phone: (248) 388-8072
Impressed Device: No
Install Date: May 27 2005
Release Detection:

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MOBIL (Continued)

U003426025

Tank: Tank Tightness Testing, Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping

Facility ID: 00016622
Facility Status: ACTIVE
Tank ID: 2
Owner: Michigan Fuel Retail Operation
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2010 E Jefferson
Detroit, MI 48207
Owner Phone: (248) 388-8072
Product: Gasoline
Capacity: 8000
Tank Status: Removed from Ground
Remove Date: May 13 2005
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Scott Jowers
Contact Phone: (248) 388-8072
Impressed Device: No
Install Date: Jun 1 1980
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Not reported

Facility ID: 00016622
Facility Status: ACTIVE
Tank ID: 3
Owner: Michigan Fuel Retail Operation
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2010 E Jefferson
Detroit, MI 48207
Owner Phone: (248) 388-8072
Product: Gasoline
Capacity: 6000
Tank Status: Removed from Ground
Remove Date: May 13 2005
Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Contact: Scott Jowers
Contact Phone: (248) 388-8072
Impressed Device: No
Install Date: Jun 1 1980
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Not reported

Facility ID: 00016622
Facility Status: ACTIVE
Tank ID: 5
Owner: Michigan Fuel Retail Operation
Owner Country: USA

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MOBIL (Continued)

U003426025

Owner Contact: Not reported
Owner Address: 2010 E Jefferson
Detroit, MI 48207
Owner Phone: (248) 388-8072
Product: Gasoline
Capacity: 20000
Tank Status: Currently in Use
Remove Date: Not reported
Constr Material: Double Walled
Piping Material: Double Walled
Piping Type: Pressure
Contact: Scott Jowers
Contact Phone: (248) 388-8072
Impressed Device: No
Install Date: May 27 2005
Release Detection:
Tank: Tank Tightness Testing, Automatic Tank Gauging, Interstitial Monitoring Double
Walled Tank
Pipe: Automatic Line Leak Detectors, Interstitial Monitoring/Second Containment

Facility ID: 00016622
Facility Status: ACTIVE
Tank ID: 4
Owner: Michigan Fuel Retail Operation
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2010 E Jefferson
Detroit, MI 48207
Owner Phone: (248) 388-8072
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Dec 22 1990
Constr Material: Fiberglass Reinforced Plastic
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure, Pressure
Contact: Scott Jowers
Contact Phone: (248) 388-8072
Impressed Device: No
Install Date: Not reported
Release Detection:
Tank: Not reported
Pipe: Not reported

Facility ID: 00016622
Facility Status: ACTIVE
Tank ID: 1
Owner: Michigan Fuel Retail Operation
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2010 E Jefferson
Detroit, MI 48207
Owner Phone: (248) 388-8072
Product: Gasoline
Capacity: 12000
Tank Status: Removed from Ground
Remove Date: May 13 2005

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

MOBIL (Continued)

U003426025

Constr Material: Fiberglass Reinforced plastic
Piping Material: Fiberglass reinforced plastic
Piping Type: Pressure
Contact: Scott Jowers
Contact Phone: (248) 388-8072
Impressed Device: No
Install Date: Jun 1 1980
Release Detection:
Tank: Automatic Tank Gauging
Pipe: Not reported

22
WSW
1/4-1/2
1989 ft.

WOODBRIIDGE PROPERTY
600 WOODBRIDGE
DETROIT, MI 48226

BEA S104912006
N/A

Relative:
Higher

Actual:
595 ft.

BEA:
Petition Disclosure: 1
BEA Number: 752
District: Southeast MI
Date Received: 1998-10-29 00:00:00
Submitter Name: M.S. ASSOCIATES, LLLC
Petition Determination: Affirmed
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: williaht
Division Assigned: Environmental Response Division
Secondary Address: Not reported

D23
ENE
1/4-1/2
2038 ft.

CITY OF DETROIT
2111 EAST ATWATER ST
DETROIT, MI

BEA S107466593
N/A

Relative:
Higher

Actual:
581 ft.

Site 1 of 3 in cluster D

BEA:
Petition Disclosure: 0
BEA Number: 2930
District: Southeast MI
Date Received: 2005-10-12 00:59:00
Submitter Name: City of Detroit
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: bahdeh
Division Assigned: Environmental Response Division
Secondary Address: 2135 East Atwater St

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D24
ENE
1/4-1/2
2058 ft.

MEDUSA CEMENT CO
2122 ATWATER ST
DETROIT, MI 48207

LUST
UST U003321070
N/A

Site 2 of 3 in cluster D

Relative:
Higher

LUST:

Actual:
581 ft.

Facility ID: 00007374
Release Date: Nov 23 1998
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact: Not reported
Owner Name: Medusa Cement Co
Owner Address: 2122 Atwater St
Detroit, MI 48207
Country: USA
Owner Phone: (313) 259-3110
Leak Number: C-1171-98
Site Name: Medusa Cement Co
Substance Released Gasoline

UST:

Facility ID: 00007374
Facility Status: CLOSED
Tank ID: 1
Owner: Medusa Cement Co
Owner Country: USA
Owner Contact: Not reported
Owner Address: 2122 Atwater St
Detroit, MI 48207
Owner Phone: (313) 259-3110
Product: Gasoline
Capacity: 1000
Tank Status: Removed from Ground
Remove Date: Nov 12 1998
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Contact: MR DAN WOODEN
Contact Phone: (313) 259-3110
Impressed Device: No
Install Date: Mar 17 1980
Release Detection:
Tank: Not reported
Pipe: Not reported

D25
ENE
1/4-1/2
2058 ft.

CITY OF DETROIT
2122 EAST ATWATER ST
DETROIT, MI

BEA S107466594
N/A

Site 3 of 3 in cluster D

Relative:
Higher

Actual:
581 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY OF DETROIT (Continued)

EDR ID Number
EPA ID Number

Database(s)

S107466594

BEA:

Petition Disclosure: 0
BEA Number: 2931
District: Southeast MI
Date Received: 2005-10-12 00:59:00
Submitter Name: City of Detroit
Petition Determination: No Request
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: bahdeh
Division Assigned: Environmental Response Division
Secondary Address: Not reported

26
NE
1/4-1/2
2212 ft.

JEFFERSON CHEVROLET
2130 JEFFERSON
DETROIT, MI 48207

RCRA-SQG
FINDS
LUST
UST

1000228355
MID006534598

Relative:
Higher

RCRAInfo:

Owner: TESSMER RAY
EPA ID: MID006534598
Contact: JAMES TELLIER
(313) 259-1200

Actual:
594 ft.

Classification: Small Quantity Generator
TSD Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00018548
Release Date: Jan 18 1990
Facility Status: Open
District: SE Michigan District Office
Closed Date: Not reported
Owner Contact : Not reported
Owner Name : Jefferson Chev Col
Owner Address : 2130 E Jefferson Ave
Detroit, MI 48207
Country : USA
Owner Phone : (313) 259-1200
Leak Number: C-0120-90
Site Name : Jefferson Chevrolet
Substance Released Not reported

UST:

Facility ID: 00018548
Facility Status: CLOSED
Tank ID: 1
Owner: Jefferson Chev Col
Owner Country: USA
Owner Contact: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

JEFFERSON CHEVROLET (Continued)

1000228355

Owner Address: 2130 E Jefferson Ave
Detroit, MI 48207
Owner Phone: (313) 259-1200
Product: Used Oil
Capacity: 500
Tank Status: Removed from Ground
Remove Date: Sep 30 1990
Constr Material: Asphalt Coated or Bare Steel
Piping Material: Unknown
Piping Type: Not reported
Contact: GERALD DEWAELE
Contact Phone: (313) 259-1200
Impressed Device: No
Install Date: Apr 8 1950
Release Detection:
Tank: Not reported
Pipe: Not reported

27
ENE
1/2-1
2996 ft.

DETROIT GAS CO- CHENE STREET STATION
FRANKLIN AND CHENE
DETROIT, MI 48207

Manufactured Gas Plants 1008408098
N/A

Relative:
Higher

Actual:
584 ft.

28
ENE
1/2-1
3457 ft.

A.T. WAGNER PROPERTY
2720 WIGHT STREET
DETROIT, MI 48207

SHWS S105144850
N/A

Relative:
Higher

Actual:
583 ft.

SHWS:
Facility ID: 82001588
Source: Industrial Organic Chemicals
Facility Status: Inactive - no actions taken to address contamination
Pollutants: PCE; TCE; VC
SAM Score: 28 out of 48
SAM Score Date: 08/17/2004
Township: 2S
Range: 12E
Section: 10
Quarter: SW
Quarter/Quarter: NE

29
West
1/2-1
4655 ft.

HUDSONS BLDG.
1206 WOODWARD AVENUE
DETROIT, MI 0null

SHWS S105144848
BROWNFIELDS N/A

Relative:
Higher

Actual:
601 ft.

SHWS:
Facility ID: 82001578
Source: Department Stores
Facility Status: Interim Response conducted - No further activities anticipated
Pollutants: Asbestos; Methylene chloride
SAM Score: 20 out of 48

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HUDSONS BLDG. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105144848

SAM Score Date: 11/18/1998
Township: 2S
Range: 12E
Section: 20
Quarter: NE
Quarter/Quarter: NW

Brownfield:

Facility ID: 82001578
Status: Closed
Property Use: Not reported
Summary: Not reported
Market: Not reported
Comments: Not reported

30
WNW
1/2-1
4975 ft.

DETROIT METROPOLITAN BLDG
33 JOHN R
DETROIT, MI 48226

SHWS S105225063
BROWNFIELDS N/A

Relative:
Higher

SHWS:

Facility ID: 82000133
Source: Industrial Bldgs & Warehouses
Facility Status: Interim Response in progress
Pollutants : Radium (radioactive)
SAM Score: 22 out of 48
SAM Score Date: 09/06/1990
Township: 02S
Range: 12E
Section: 08
Quarter: SE
Quarter/Quarter: NE

Actual:
599 ft.

Brownfield:

Facility ID: 82000133
Status: Completed
Property Use: Not reported
Summary: Not reported
Market: Not reported
Comments: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DETROIT	S104911715	3000 ASSOCIATES LLC	3000, 3105, 3113 FRANKLIN STRE		BEA
DETROIT	S107031694	CITY OF DETROIT	AREA BOUND BY GRATIOT AVE, GUO		BEA
DETROIT	1009310485	JEFFERSON-CHENE PROPERTY	EAST JEFFERSON AVE & CHENE STR	48207	US BROWNFIELDS
DETROIT	S107544038	SHELL RETAIL GASOLINE STATION	9645 JEFFERSON AVE		AUL
DETROIT	S104910991	AMMORI INVESTMENTS, INC.	2650, E. JEFFERSON AVENUE /		BEA
DETROIT	S104911640	(FORMER) BLAIN HOSPITAL	2151 JEFFERSON AVENUE		BEA
DETROIT	U003329752	FREE PRESS GARAGE	1201 E LAFAYETTE BLVD	48226	LUST, UST
DETROIT	S107031713	0.349 ACRE RIVERWALK EASEMENT PROP	MCDUGALL AVE/ATWATER STREET		BEA
DETROIT	S106521783	HEALTH PLAN OF MICHIGAN INC.	2604 WIGHT / 2669 GUOIN STRE		BEA

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 04/14/2006

Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Last EDR Contact: 07/19/2006

Next Scheduled EDR Contact: 10/16/2006

Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006

Date Data Arrived at EDR: 03/27/2006

Date Made Active in Reports: 05/22/2006

Number of Days to Update: 56

Source: Environmental Protection Agency

Telephone: 703-603-8905

Last EDR Contact: 07/03/2006

Next Scheduled EDR Contact: 10/02/2006

Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006

Date Data Arrived at EDR: 03/27/2006

Date Made Active in Reports: 05/22/2006

Number of Days to Update: 56

Source: Environmental Protection Agency

Telephone: 703-603-8905

Last EDR Contact: 07/03/2006

Next Scheduled EDR Contact: 10/02/2006

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004

Date Data Arrived at EDR: 02/08/2005

Date Made Active in Reports: 08/04/2005

Number of Days to Update: 177

Source: USGS

Telephone: 703-692-8801

Last EDR Contact: 05/12/2006

Next Scheduled EDR Contact: 08/07/2006

Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005

Date Data Arrived at EDR: 01/19/2006

Date Made Active in Reports: 02/21/2006

Number of Days to Update: 33

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

Last EDR Contact: 07/17/2006

Next Scheduled EDR Contact: 10/02/2006

Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/24/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 05/24/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Semi-Annually

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/15/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 24

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Semi-Annually

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/13/2006
Date Data Arrived at EDR: 06/14/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/13/2006
Date Data Arrived at EDR: 03/15/2006
Date Made Active in Reports: 04/12/2006
Number of Days to Update: 28

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 03/23/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/24/2006
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: No Update Planned

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 03/22/2006
Date Data Arrived at EDR: 03/28/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 07/07/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 02/15/2006
Date Made Active in Reports: 03/17/2006
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 02/16/2006
Date Data Arrived at EDR: 03/30/2006
Date Made Active in Reports: 04/18/2006
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 02/23/2006
Date Data Arrived at EDR: 02/27/2006
Date Made Active in Reports: 03/17/2006
Number of Days to Update: 18

Source: Department of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/24/2006
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 06/02/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 06/08/2006
Number of Days to Update: 37

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

Date of Government Version: 06/16/2006
Date Data Arrived at EDR: 06/16/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 31

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

STREET AND ADDRESS INFORMATION

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APPENDIX E
AERIAL PHOTOGRAPH DOCUMENTATION

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USGS Detroit, Michigan, United States 10 Apr 2002



0 100M

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Image courtesy of the U.S. Geological Survey

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APPENDIX F
HISTORICAL RESEARCH DOCUMENTATION



EDR® Environmental
Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Tim McGahey
AKT Peerless Env.
607 Shelby Street
Detroit, MI 48226

Order Date: 7/20/2006 **Completion Date:** 7/24/2006

Inquiry #: 1718451.2s

P.O. #: NA

Site Name: Atwater Lofts

Address: Atwater Street

City/State: Detroit, MI 48207

Cross Streets:

Customer Project: 5133d-1-17
1053685MEN 313-962-9353

Based on client-supplied information, fire insurance maps for the following years were identified

1884 - 1 Map	1988 - 1 Map
1897 - 1 Map	1991 - 1 Map
1922 - 1 Map	
1950 - 1 Map	
1953 - 1 Map	
1957 - 1 Map	
1961 - 1 Map	
1977 - 1 Map	

Limited Permission to Photocopy

Total Maps: 10

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This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

Reading Sanborn Maps

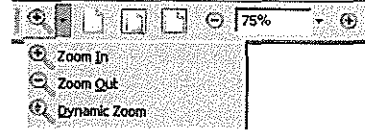
Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
 - A. On the menu bar, click "View" and then "Zoom to..."
 - B. Or, use the magnifying tool and drag a box around the TP



Printing a Sanborn Map From the Electronic File

- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

Acrobat Versions 6 and 7

1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.



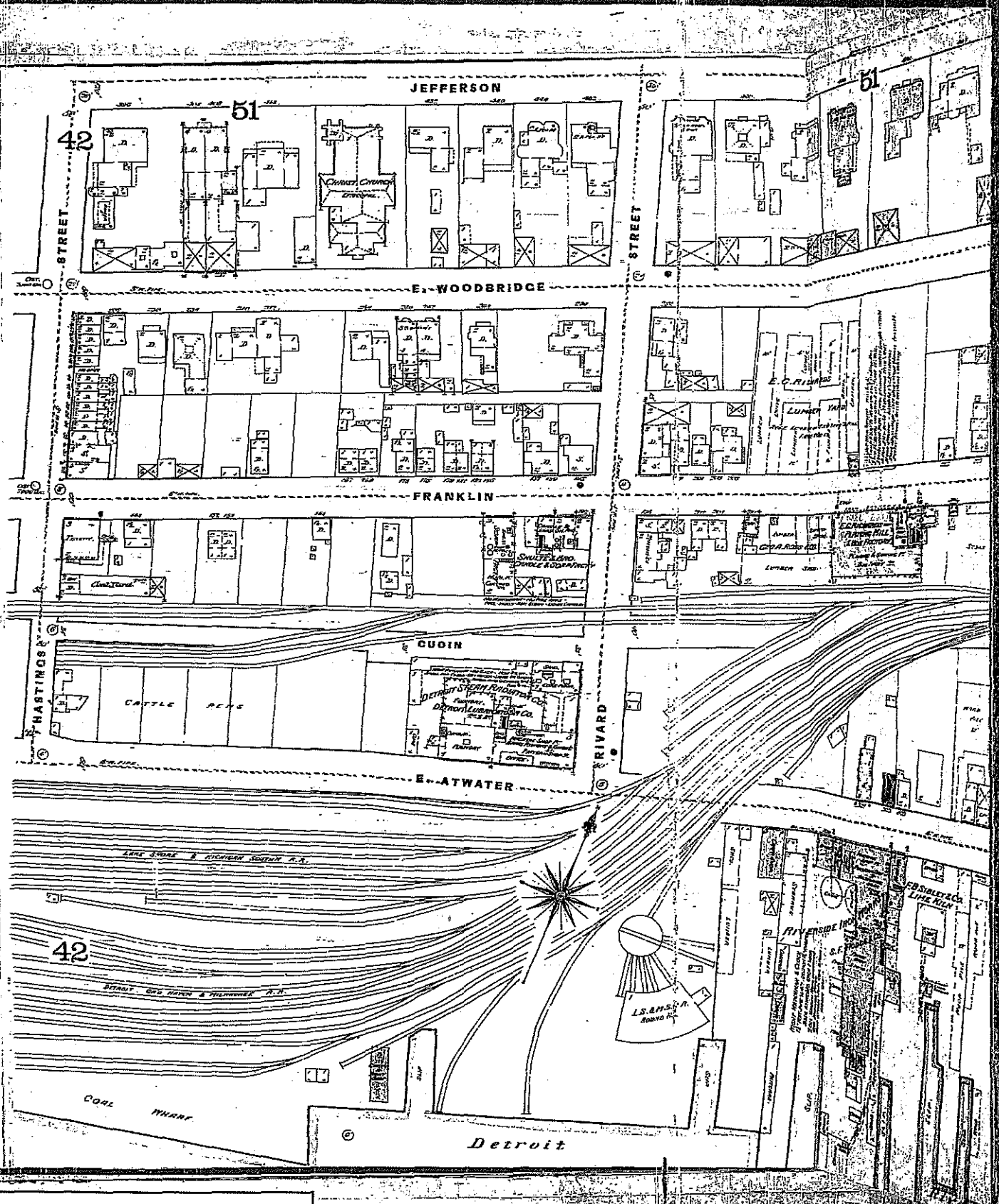
Acrobat Version 5

1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.



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- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
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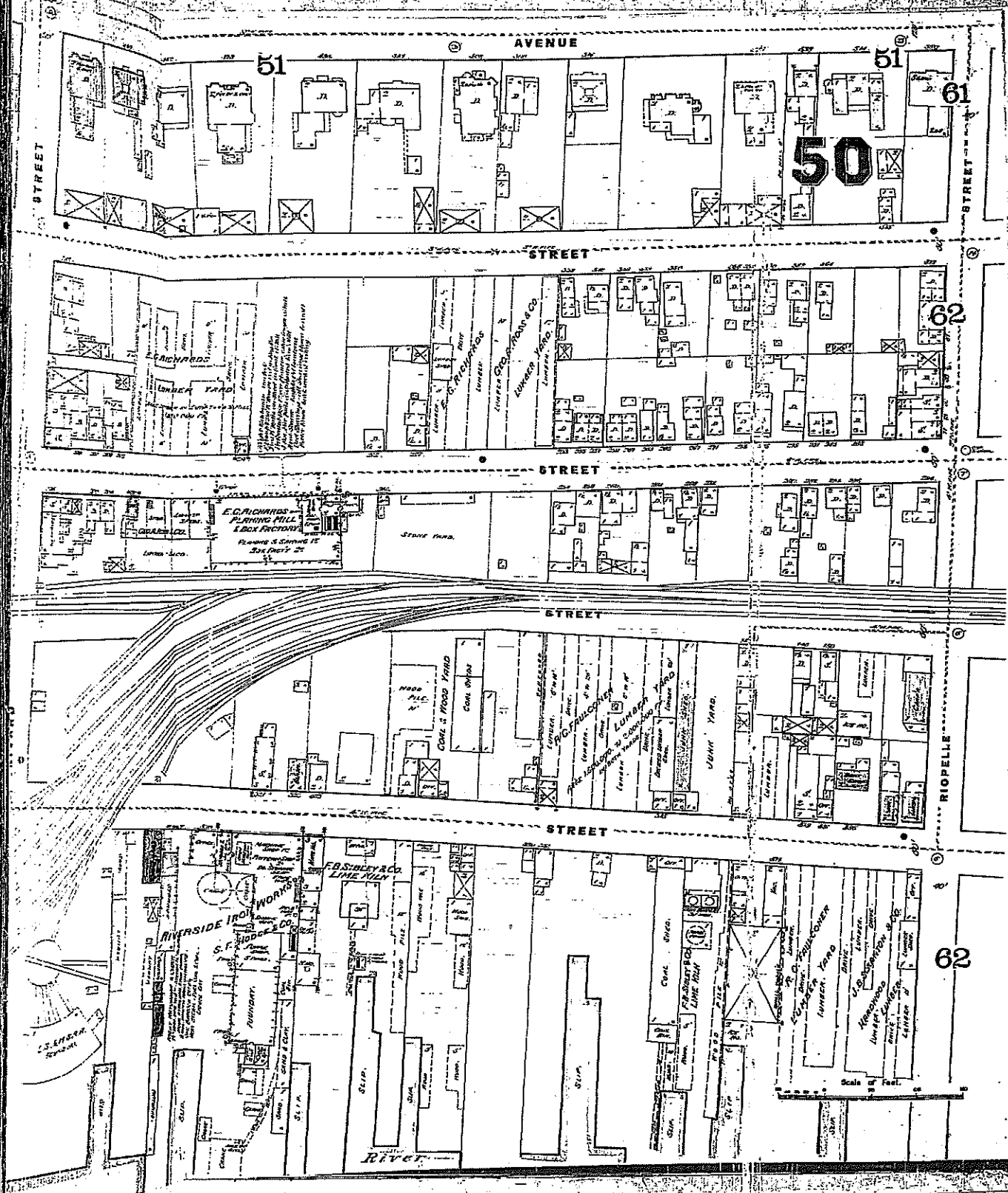
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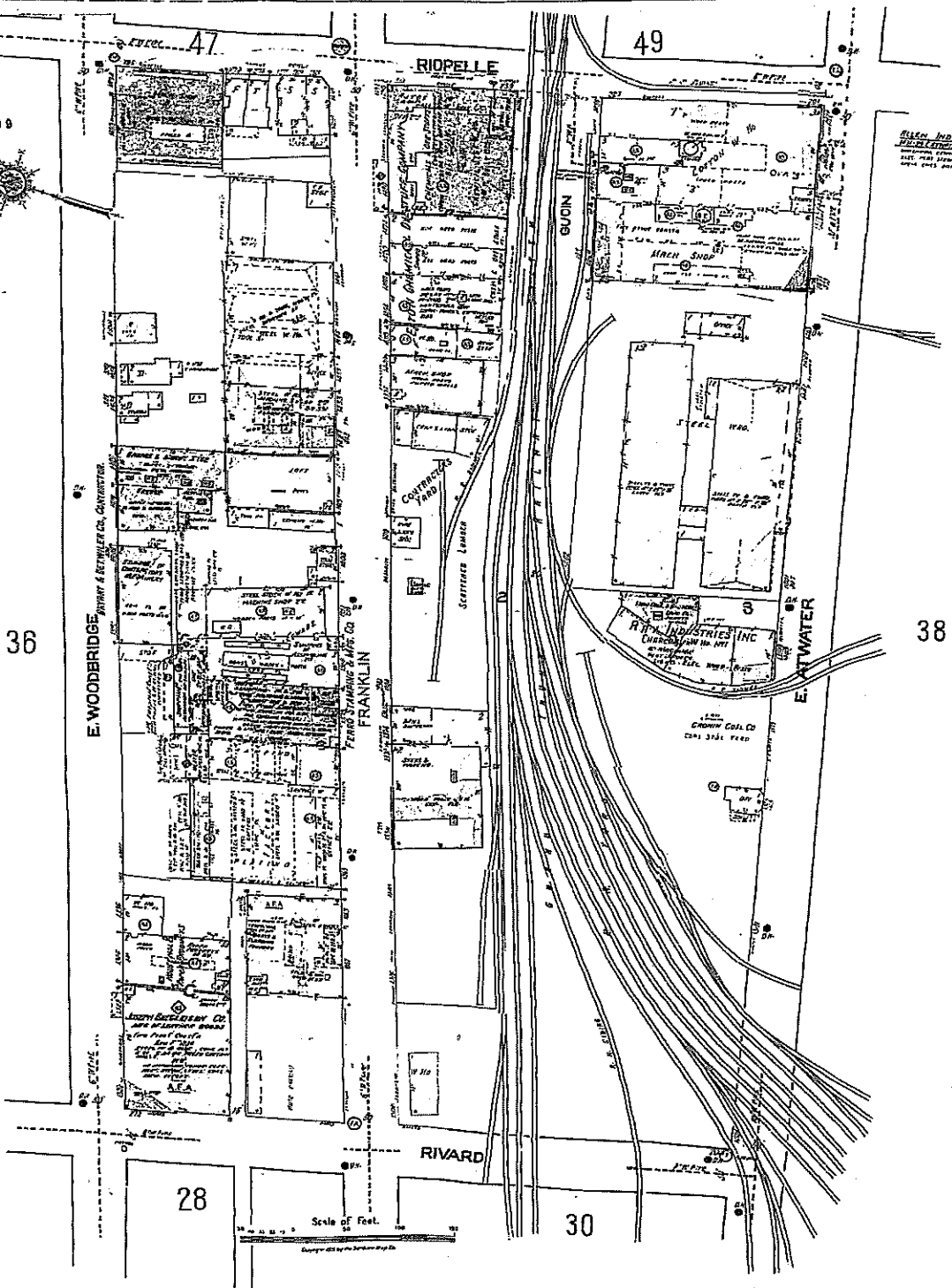
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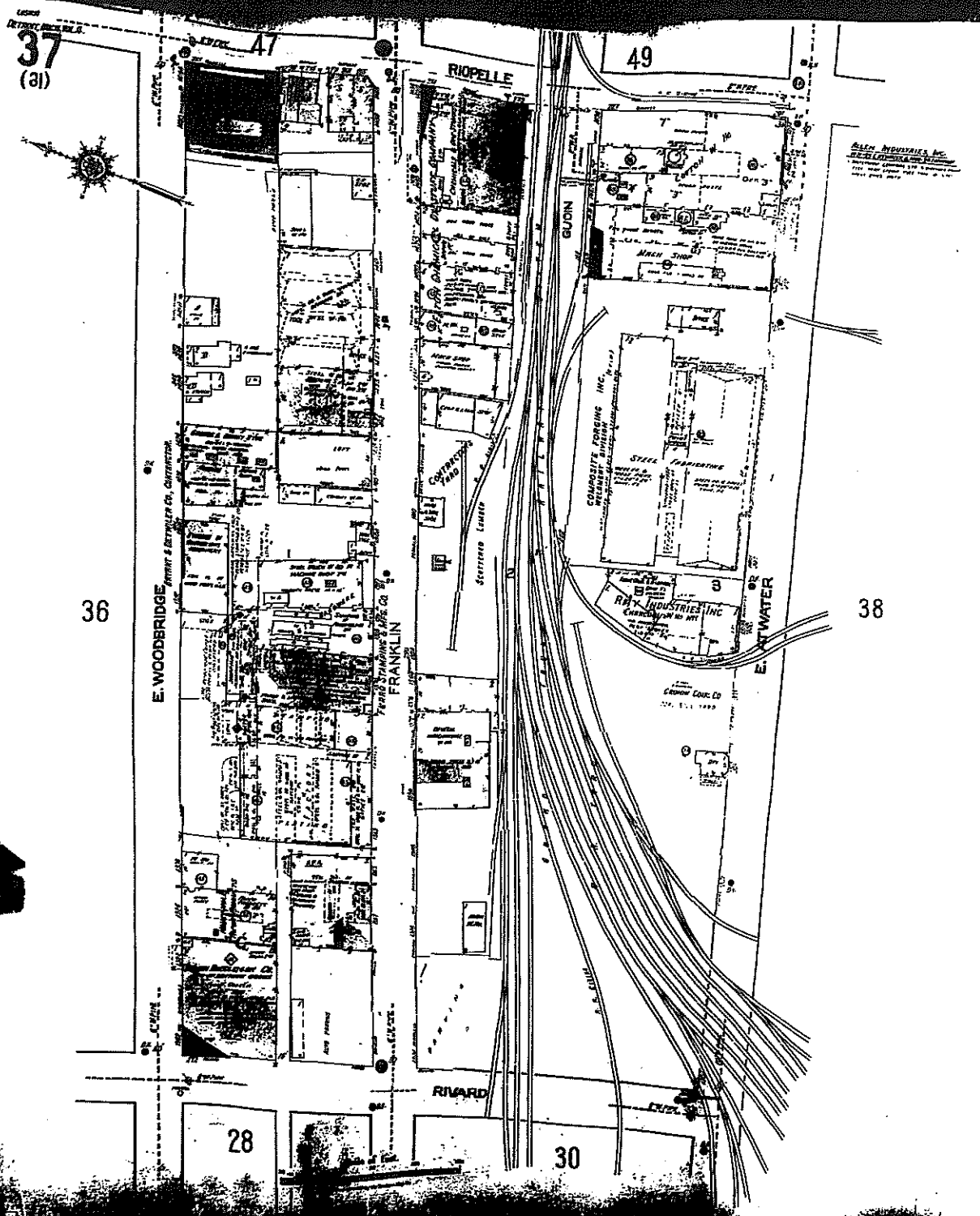


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(a)



36

E. WOODBRIDGE

FRANKLIN

RIOPELLE

49

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AND ARE NOT TO BE USED FOR
ANY OTHER PURPOSE

38

E. WATER

RIVARD

28

30

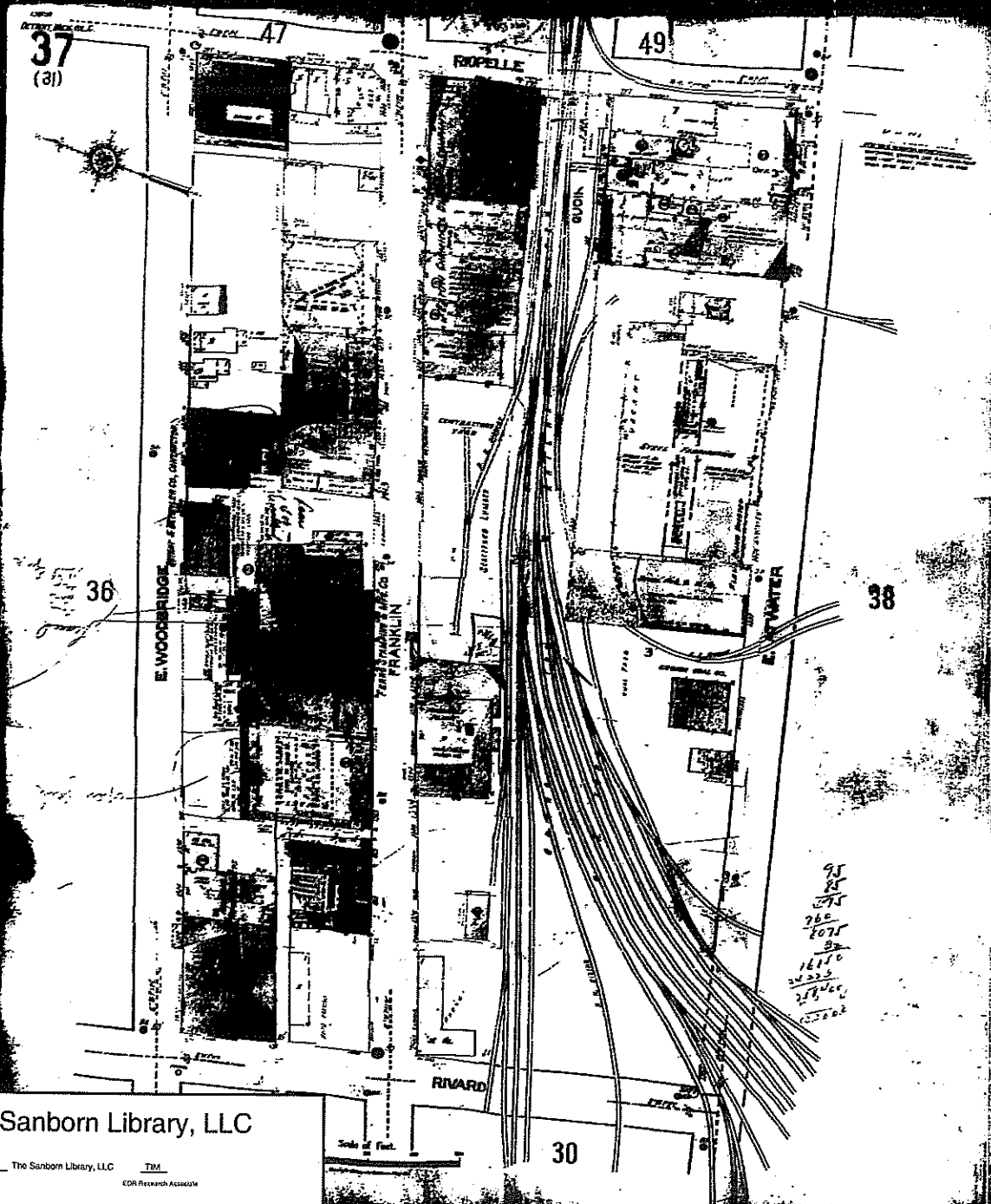
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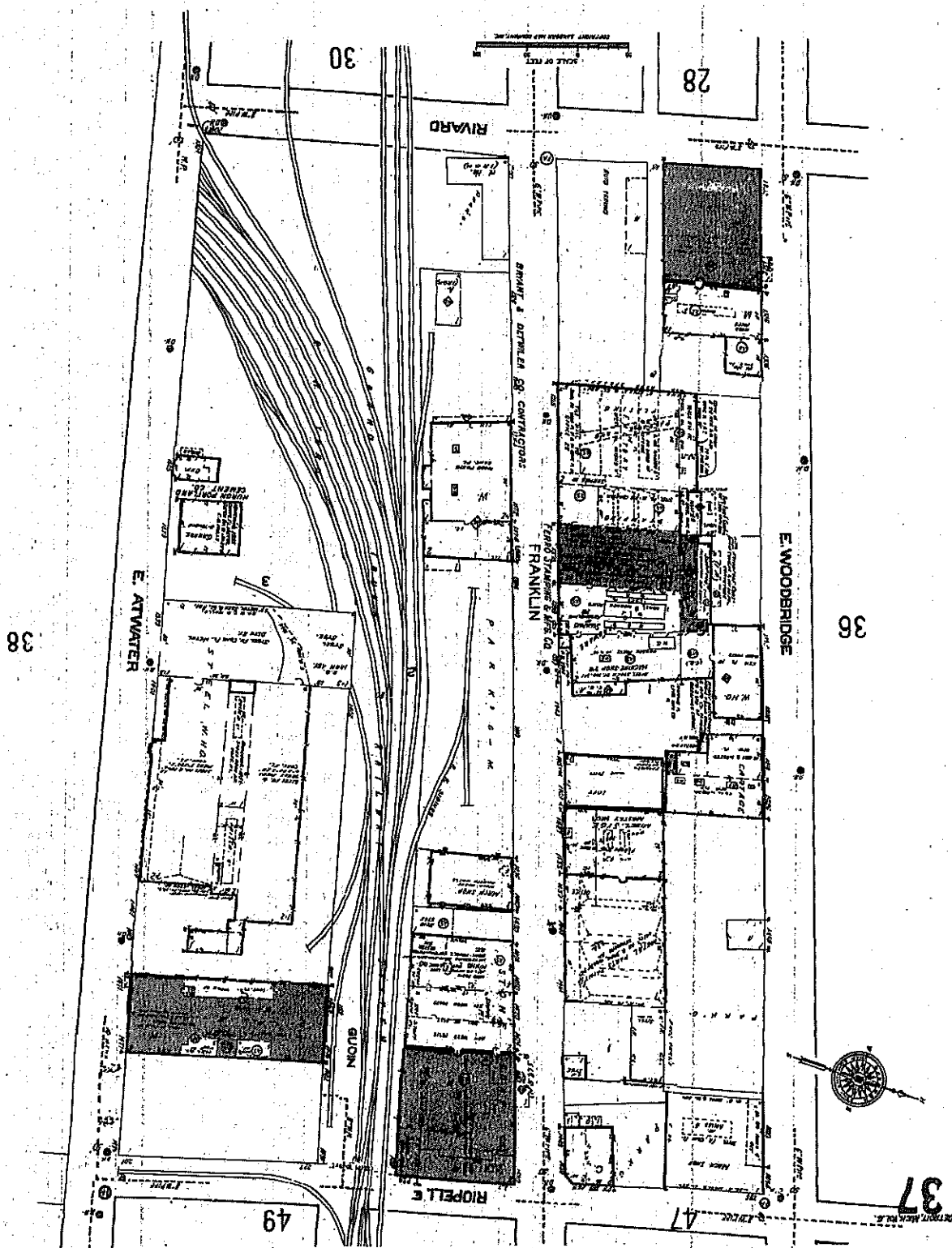


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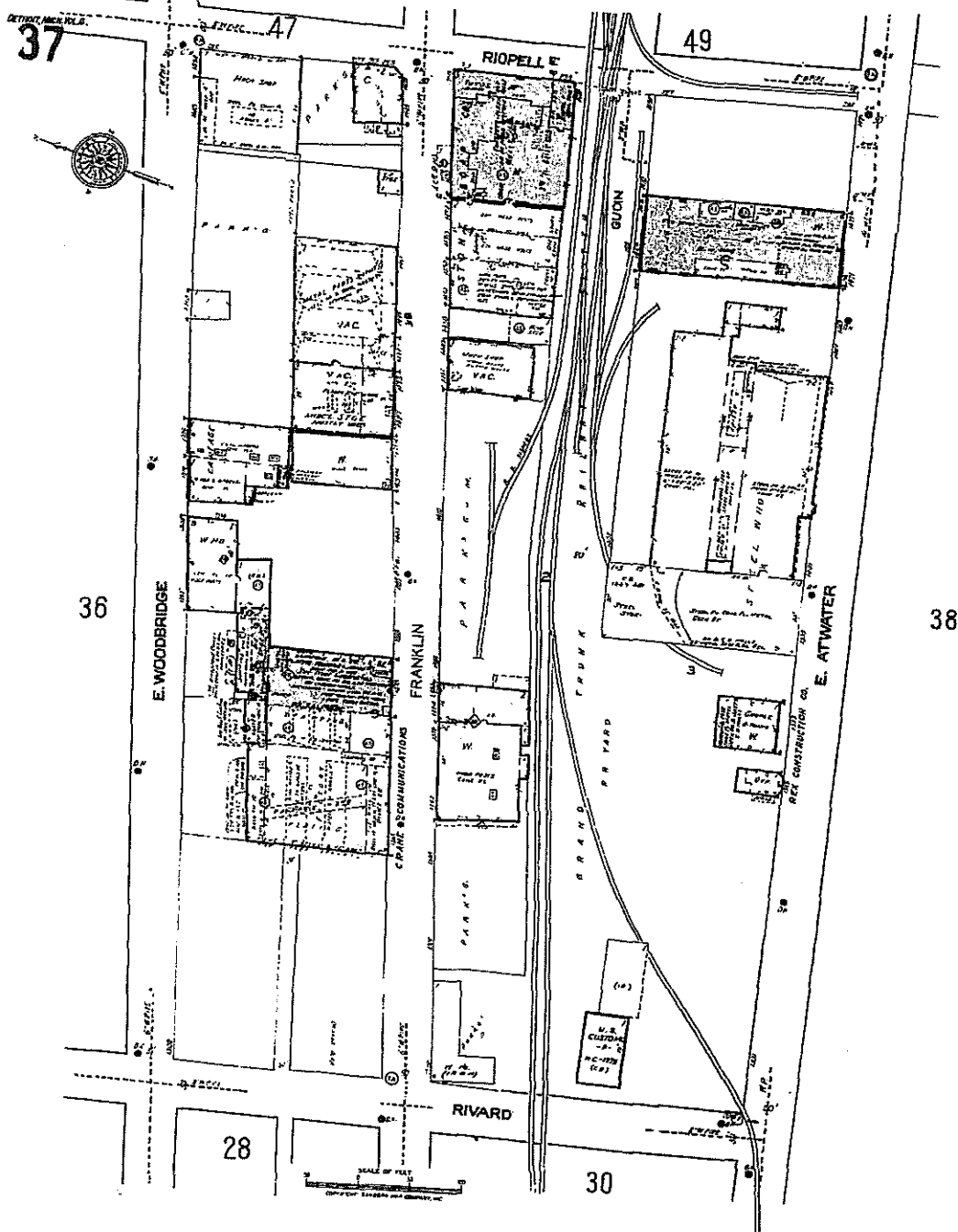
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CSI: New York **Approved**

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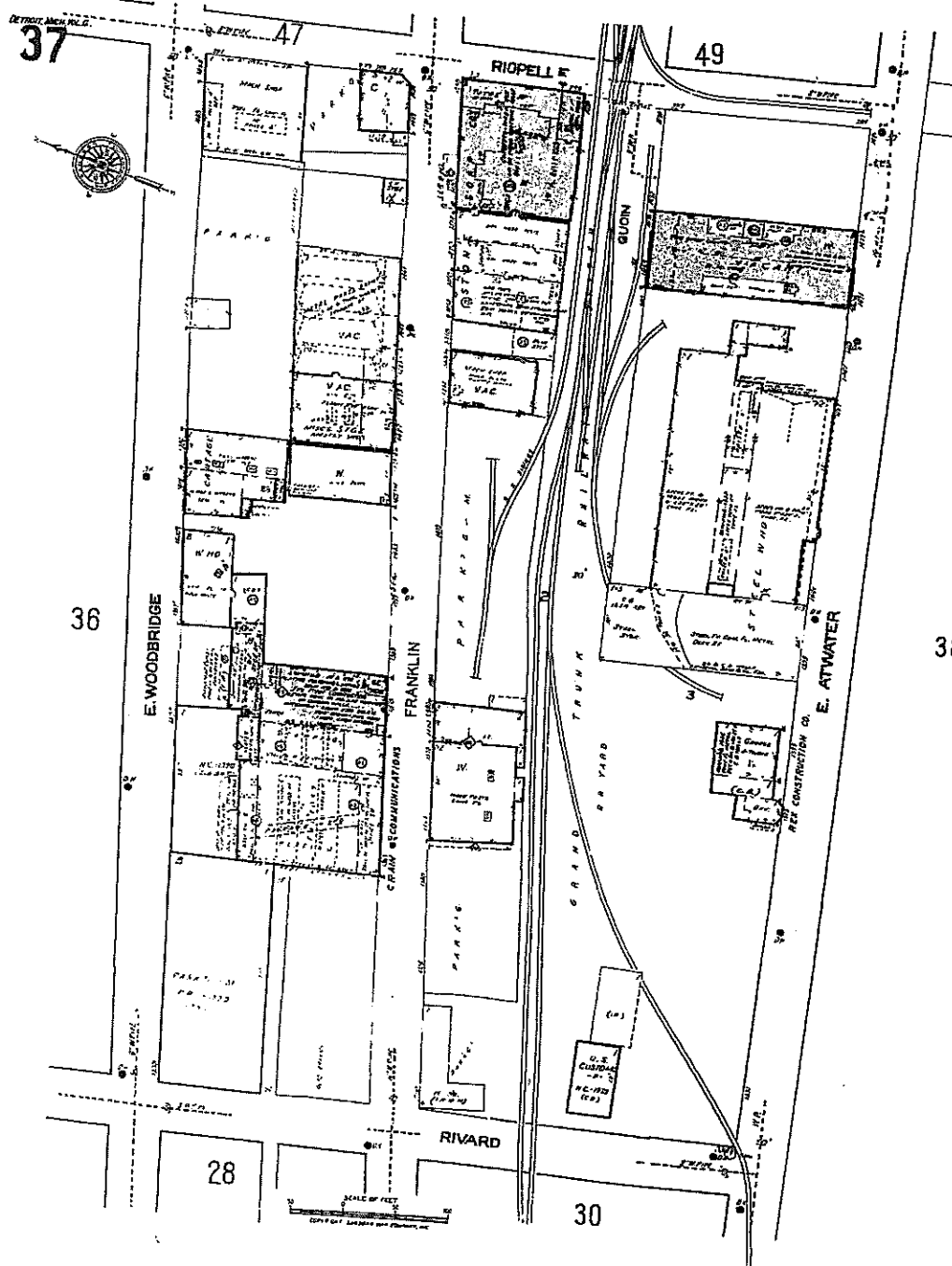
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HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1900	1902	1906
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE/N/NW	246-274 Franklin Street	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber
SE/S/SW	295-333 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.

✱	Address ▼ // Year ►	1909	1912	1915
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE/N/NW	246-274 Franklin Street	Vacant	Address not listed	Address not listed
SE/S/SW	295-333 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
N	1326-1382 Franklin Street	Address not listed	Address not listed	Address not listed
NE/N/NW	246-274 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1400 Franklin Street	Address not listed	Address not listed	Address not listed
SE/S/SW	295-333 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SE	1389 Atwater Street	Address not listed	Address not listed	Address not listed
S	1301-1373 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
N	1326-1382 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1400 Franklin Street	Address not listed	Address not listed	Address not listed
SE/S/SW	295-333 Atwater Street	United Fuel and Supply Co.	Commercial Mining	Commercial Mining
SE	1399 Atwater Street	Address not listed	Address not listed	Ray Fuel Co.
SE	1389 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Address not listed
S	1365 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1935	1937	1939
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
N	1326-1382 Franklin Street	Address not listed	Address not listed	Address not listed
SE/S/SW	295-333 Atwater Street	Commercial Mining	Address not listed	Address not listed
NE	1400 Franklin Street	Address not listed	Address not listed	Address not listed
SE	1399 Atwater Street	Ray Fuel Co.	Ray Industries Inc.	Ray Industries Inc.
S	1365 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1941	1957	1963
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
N	1326-1382 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1400 Franklin Street	Address not listed	Address not listed	Address not listed
SE	1399 Atwater Street	Ray Industries Inc.	Address not listed	Address not listed
S	1365 Atwater Street	Address not listed	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1967	1970	1974
SP	1364 Franklin Street	Address not listed	Address not listed	Address not listed
N	1326-1382 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1400 Franklin Street	Address not listed	Address not listed	Address not listed
SE	1399 Atwater Street	Address not listed	Address not listed	Address not listed
S	1365 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1997	2003	
SP	1364 Franklin Street	Address not listed	Address not listed	
N	1326-1382 Franklin Street	Address not listed	Address not listed	
NE	1400 Franklin Street	Address not listed	Address not listed	
SE	1399 Atwater Street	Address not listed	Address not listed	
S	1365 Atwater Street	Address not listed	Address not listed	

✱	Address ▼ // Year ►	1900	1902	1906
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
W/SW	295 Atwater Street	Little CH Co. Dock Yard and Office	Little CH Co. Dock Yard and Office	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1909	1912	1915
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
SW/W	295 Atwater Street	Little CH Co. Dock Yard and Office	Little CH Co. Dock Yard and Office	Address not listed

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SW/W	295 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
W	1301 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Address not listed	Commercial Mining	Commercial Mining
SW/W	1301 Atwater Street	Address not listed	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1935	1937	1939
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Commercial Mining	Address not listed	Address not listed
E/SE/S	1325 Atwater Street	Address not listed	Cronin Coal Co.	Cronin Coal Co.
SW/W	1301 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1941	1957	1963
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	1325 Atwater Street	Cronin Coal Co.	Cronin Coal Co. & Pine Ridge Coal Co.	Pine Ridge Coal Co.
SW/W	1301 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1967	1970	1974
SP	1365 Atwater Street	Address not listed	Address not listed	Address not listed
N/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E/SE/S	1325 Atwater Street	Vacant	Rex Transportation	Rex Transportation
SW/W	1301 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1997	2003	
SP	1365 Atwater Street	Address not listed	Address not listed	
N/NW	1364 Franklin Street	Address not listed	Address not listed	
NE	1370 Guoin Street	Address not listed	Address not listed	
E/SE/S	1325 Atwater Street	Address not listed	Address not listed	
SW/W	1303 Atwater Street	U.S. Border Patrol	U.S. Border Patrol	

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@ WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1900	1902	1906
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1909	1912	1915
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Address not listed	Commercial Mining	Commercial Mining
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1935	1937	1939
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	321-345 Atwater Street	Commercial Mining	Address not listed	Address not listed
E/SE/S	1325 Atwater Street	Address not listed	Cronin Coal Co.	Cronin Coal Co.
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1941	1957	1963
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	1325 Atwater Street	Cronin Coal Co.	Cronin Coal Co. & Pine Ridge Coal Co.	Pine Ridge Coal Co.
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1967	1970	1974
SP	1370 Guoin Street	Address not listed	Address not listed	Address not listed
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed
E/SE/S	1325 Atwater Street	Vacant	Rex Transportation	Rex Transportation
SW/W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1997	2003	
SP	1370 Guoin Street	Address not listed	Address not listed	
N/NE/NW	1364 Franklin Street	Address not listed	Address not listed	
E/SE/S	1325 Atwater Street	Address not listed	Address not listed	
SW/W	1365 Atwater	Address not listed	Address not listed	

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1900	1902	1906
SP	321-345 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	331-333 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
SE/S	340-350 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
S/SW	320 Atwater Street	Young Bros Steel and Iron Works	Great Lakes Engineer Works	Great Lakes Engineer Works
W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1909	1912	1915
SP	321-345 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	331-333 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
SE/S	340-350 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
S/SW	320 Atwater Street	Great Lakes Engineer Works	Great Lakes Engineer Works	Great Lakes Engineer Works
W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	321-345 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	331-333 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
E	1389 Atwater Street	Address not listed	Address not listed	Address not listed
SE/S	340-350 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SE/S	1420 Atwater Street	Address not listed	United Fuel and Supply Co.	United Fuel and Supply Co.
S/SW	320 Atwater Street	Great Lakes Engineer Works	Address not listed	Address not listed
S/SW	1326-1368 Atwater Street	Address not listed	Address not listed	Address not listed
W	1365 Atwater	Address not listed	Address not listed	Address not listed

**HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
 @WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN**

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	321-345 Atwater Street	Address not listed	Commercial Mining	Commercial Mining
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	331-333 Atwater Street	Address not listed	Commercial Mining	Commercial Mining
E	1389 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Address not listed
E	1399 Atwater Street	Address not listed	Address not listed	Ray Fuel Co.
SE/S	1420 Atwater Street	Address not listed	Address not listed	Address not listed
S/SW	1326-1368 Atwater Street	Address not listed	Address not listed	Address not listed
W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1935	1937	1939
SP	321-345 Atwater Street	Commercial Mining	Address not listed	Address not listed
SP	1325 Atwater Street	Address not listed	Cronin Coal Co.	Cronin Coal Co.
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	1399 Atwater Street	Ray Fuel Co.	Ray Industries Inc.	Ray Industries Inc.
SE/S	1420 Atwater Street	Address not listed	Address not listed	Address not listed
S/SW	1326-1368 Atwater Street	Address not listed	Address not listed	Address not listed
W	1365 Atwater	Address not listed	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@ WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1941	1957	1963
SP	1325 Atwater Street	Cronin Coal Co.	Cronin Coal Co. & Pine Ridge Coal Co.	Pine Ridge Coal Co.
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	1399 Atwater Street	Ray Industries Inc.	Address not listed	Address not listed
SE/S	1420 Atwater Street	Dept. Public Lighting Works	Address not listed	Address not listed
S/SW	1326-1368 Atwater Street	Address not listed	Address not listed	Address not listed
W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1967	1970	1974
SP	1325 Atwater Street	Vacant	Rex Transportation	Rex Transportation
N	1370 Guoin Street	Address not listed	Address not listed	Address not listed
E	1399 Atwater Street	Address not listed	Address not listed	Address not listed
SE/S	1420 Atwater Street	Address not listed	Address not listed	Address not listed
S/SW	1326-1368 Atwater Street	Address not listed	Address not listed	Address not listed
W	1365 Atwater	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1997	2003	
SP	1325 Atwater Street	Address not listed	Address not listed	
N	1370 Guoin Street	Address not listed	Address not listed	
E	1399 Atwater Street	Address not listed	Address not listed	
SE/S	1420 Atwater Street	Address not listed	Address not listed	
S/SW	1326-1368 Atwater Street	Address not listed	Address not listed	
W	1365 Atwater	Address not listed	Address not listed	

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1900	1902	1906
SP	331-333 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
N/NE	254-272 Franklin Street	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber
E	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House
SE/S/SW	340-350 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
W	321-345 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1909	1912	1915
SP	331-333 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
N/NE	254-272 Franklin Street	Vacant	Address not listed	Address not listed
E	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House
SE/S/SW	340-350 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
W	321-345 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	331-333 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SP	1389 Atwater Street	Address not listed	United Fuel and Supply Co.	United Fuel and Supply Co.
N/NE	254-272 Franklin Street	Address not listed	Address not listed	Address not listed
N/NE	1370 Franklin Street	Address not listed	Address not listed	Address no listed
E	347-509 Atwater Street	D.S. Ry Power House	Address not listed	Address not listed
E	1461 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House
SE/S/SW	340-350 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SE/S/SW	1420 Atwater Street	Address not listed	United Fuel and Supply Co.	United Fuel and Supply Co.
W	321-345 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	331-333 Atwater Street	Address not listed	Commercial Mining	Commercial Mining
SP	1389 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Address not listed
SP	1399 Atwater Street	Address not listed	Address not listed	Ray Fuel Co.
N/NE	1370 Franklin Street	Address not listed	Address not listed	Address no listed
E	1461 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Vacant
SE/S/SW	1420 Atwater Street	Address not listed	Address not listed	Address not listed
W	321-345 Atwater Street	Address not listed	Commercial Mining	Commercial Mining
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1935	1937	1939
SP	1399 Atwater Street	Ray Fuel Co.	Ray Industries Inc.	Ray Industries Inc.
N/NE	1370 Franklin Street	Address not listed	Address not listed	Address no listed
E	1461 Atwater Street	Vacant	Vacant	Address not listed
SE/S/SW	1420 Atwater Street	Address not listed	Address not listed	Address not listed
W	321-345 Atwater Street	Commercial Mining	Address not listed	Address not listed
W	1325 Atwater Street	Address not listed	Cronin Coal Co.	Cronin Coal Co.
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1941	1957	1963
SP	1399 Atwater Street	Ray Industries Inc.	Address not listed	Address not listed
N/NE	1370 Franklin Street	Address not listed	Address not listed	Address no listed
E	1461 Atwater Street	Address not listed	Address not listed	Address not listed
SE/S/SW	1420 Atwater Street	Dept. Public Lighting Works	Address not listed	Address not listed
W	1325 Atwater Street	Cronin Coal Co.	Cronin Coal Co. & Pine Ridge Coal Co.	Pine Ridge Coal Co.
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed



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@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN**

✱	Address ▼ // Year ►	1967	1970	1974
SP	1399 Atwater Street	Address not listed	Address not listed	Address not listed
N/NE	1370 Franklin Street	Bryant and Dewiter Co.	Insto Gas Corp.	Insto Gas Corp.
E	1461 Atwater Street	Address not listed	Address not listed	Address not listed
SE/S/SW	1420 Atwater Street	Address not listed	Address not listed	Address not listed
W	1325 Atwater Street	Vacant	Rex Transportation	Rex Transportation
NW	1364 Franklin Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1997	2003	
SP	1399 Atwater Street	Address not listed	Address not listed	
N/NE	1370 Franklin Street	Address not listed	Address not listed	
E	1461 Atwater Street	Address not listed	Address not listed	
SE/S/SW	1420 Atwater Street	Address not listed	Address not listed	
W	1325 Atwater Street	Address not listed	Address not listed	
NW	1364 Franklin Street	Address not listed	Address not listed	

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1900	1902	1906
SP	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House
NW/N	254-272 Franklin Street	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber
NE	280 Franklin Street	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber
E	379 Atwater Street	Address not listed	D.S. Ry Power House	Address not listed
SE	364 Atwater Street	Vacant	Vacant	Address not listed
S	340-350 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
SW	340-350 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
W	331-333 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.

✱	Address ▼ // Year ►	1909	1912	1915
SP	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House
NW/N	254-272 Franklin Street	Vacant	Address not listed	Address not listed
NE	280 Franklin Street	Vacant	Address not listed	Address not listed
E	379 Atwater Street	Address not listed	Address not listed	Address not listed
SE	364 Atwater Street	Address not listed	Address not listed	Address not listed
S	340-350 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
SW	340-350 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
W	331-333 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	347-509 Atwater Street	D.S. Ry Power House	Address not listed	Address not listed
SP	1461 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House
NW/N	254-272 Franklin Street	Address not listed	Address not listed	Address not listed
N	1438-1450 Franklin Street	Address not listed	Atlas Crucible Steel Co.	Address no listed
NE	280 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1460-1490 Franklin Street	Eaton-Clark Co and Rainbow Color Chemical	Eaton-Clark Co and Rainbow Color Chemical	Eaton-Clark Co and Rainbow Color Chemical
E	379 Atwater Street	Address not listed	Address not listed	Address not listed
E	1471-1477 Atwater Street	Address not listed	Detroit Screw Works	Detroit Screw Works
SE	364 Atwater Street	Address not listed	Address not listed	Address not listed
SE	1470-1474 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House
S	340-350 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
S	1440 Atwater Street	Address not listed	U.S. Gypsum Co.	U.S. Gypsum Co.
SW	340-350 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SW	1420 Atwater Street	Address not listed	United Fuel and Supply Co.	United Fuel and Supply Co.
W	331-333 Atwater	331-333 Atwater Street	United Fuel and Supply Co.	Address not listed
W	1389 Atwater Street	Address not listed	United Fuel and Supply Co.	United Fuel and Supply Co.
NW	1370 Franklin Street	Address not listed	Address not listed	Address no listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	1461 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Vacant
N	1438-1450 Franklin Street	Address not listed	Eaton-Clark Chemicals	Eaton-Clark Chemicals
NE	1460-1490 Franklin Street	Eaton-Clark Chemical Co	Eaton-Clark Chemical Co	Eaton-Clark Chemical Co
E	1471-1477 Atwater Street	Detroit Screw Works	Detroit Screw Works	Detroit Screw Works
SE	1470-1474 Atwater Street	Address not listed	D.S. Ry Power House	D.S. Ry Power House
S	1440 Atwater Street	U.S. Gypsum Co.	U.S. Gypsum Co.	Vacant
SW	1420 Atwater Street	Address not listed	Address not listed	Address not listed
W	331-333 Atwater	Address not listed	Commercial Mining	Commercial Mining
W	1389 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Address not listed
W	1399 Atwater Street	Address not listed	Address not listed	Ray Fuel Co.
NW	1370 Franklin Street	Address not listed	Address not listed	Address no listed

✱	Address ▼ // Year ►	1935	1937	1939
SP	1461 Atwater Street	Vacant	Vacant	Address not listed
N	1438-1450 Franklin Street	Address not listed	Address not listed	Address no listed
NE	1460-1490 Franklin Street	Address not listed	Address not listed	Address no listed
E	1471-1477 Atwater Street	Address not listed	Address not listed	Address not listed
SE	1470-1474 Atwater Street	Dept of Public Lighting	Address not listed	Address not listed
S	1440 Atwater Street	Vacant	Address not listed	Nicholson Universal Steamship Co.
SW	1420 Atwater Street	Address not listed	Address not listed	Address not listed
W	1399 Atwater Street	Ray Fuel Co.	Ray Industries Inc.	Ray Industries Inc.
NW	1370 Franklin Street	Address not listed	Address not listed	Address no listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1941	1957	1963
SP	1461 Atwater Street	Address not listed	Address not listed	Address not listed
N	1438-1450 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1460-1490 Franklin Street	Address not listed	Eaton Chemical Co.	Eaton Chemical Co.
E	1471-1477 Atwater Street	Address not listed	Ainsworth Manufacturing Corp.	Vacant
SE	1470-1474 Atwater Street	Address not listed	Address not listed	Address not listed
S	1440 Atwater Street	Vacant	Address not listed	Address not listed
SW	1420 Atwater Street	Dept. Public Lighting Works	Address not listed	Address not listed
W	1399 Atwater Street	Ray Industries Inc.	Address not listed	Address not listed
NW	1370 Franklin Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1967	1970	1974
SP	1461 Atwater Street	Address not listed	Address not listed	Address not listed
N	1438-1450 Franklin Street	Address not listed	Address not listed	Address not listed
NE	1460-1490 Franklin Street	Eaton Chemical Co.	C & V Industrial Pub and Warehouse	C & V Industrial Pub and Warehouse
E	1471-1477 Atwater Street	Coil Steel Co.	Vacant	Vacant
SE	1470-1474 Atwater Street	Cooper Supply Co.	Koenig Fuel and Supply Co.	Address not listed
S	1440 Atwater Street	Address not listed	Address not listed	Address not listed
SW	1420 Atwater Street	Address not listed	Address not listed	Address not listed
W	1399 Atwater Street	Address not listed	Address not listed	Address not listed
NW	1370 Franklin Street	Bryant and Dewiter Co.	Insto Gas Corp.	Insto Gas Corp.

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1997	2003	
SP	1461 Atwater Street	Address not listed	Address not listed	
N	1438-1450 Franklin Street	Address not listed	Address not listed	
NE	1460-1490 Franklin Street	Stone Soap Co.	Address not listed	
E	1471-1477 Atwater Street	Address not listed	Address not listed	
SE	1470-1474 Atwater Street	Koenig Fuel and Supply Co.	Address not listed	
S	1440 Atwater Street	Address not listed	Address not listed	
SW	1420 Atwater Street	Address not listed	Address not listed	
W	1399 Atwater Street	Address not listed	Address not listed	
NW	1370 Franklin Street	Address not listed	Address not listed	

✱	Address ▼ // Year ►	1900	1902	1906
SP	379 Atwater Street	Address not listed	D.S. Ry Power House	Address not listed
N	280 Franklin Street	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber
NE	161 Guoin Street	Address not listed	Address not listed	Address not listed
E	393 Atwater Street	Address not listed	Address not listed	Address not listed
SE	394 Atwater Street	Address not listed	Address not listed	Address not listed
S	364 Atwater Street	Vacant	Vacant	Address not listed
SW	340-350 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
W	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House
NW	254-272 Franklin Street	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber	Hunton, Myles and Weeks Lumber



HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ➤	1909	1912	1915
SP	379 Atwater Street	Address not listed	Address not listed	Address not listed
N	280 Franklin Street	Vacant	Address not listed	Address not listed
NE	161 Guoin Street	Address not listed	Address not listed	Address not listed
E	393 Atwater Street	Address not listed	Address not listed	Address not listed
SE	394 Atwater Street	Address not listed	Address not listed	Address not listed
S	364 Atwater Street	Address not listed	Address not listed	Address not listed
SW	340-350 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
W	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House
NW	254-272 Franklin Street	Vacant	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

* Address ▼ // Year ►	1918	1922-23	1924-25
SP 379 Atwater Street	Address not listed	Address not listed	Address not listed
SP 1471-1477 Atwater Street	Address not listed	Detroit Screw Works	Detroit Screw Works
N 280 Franklin Street	Address not listed	Address not listed	Address not listed
N 1460-1490 Franklin Street	Eaton-Clark Co and Rainbow Color Chemical	Eaton-Clark Co and Rainbow Color Chemical	Eaton-Clark Co and Rainbow Color Chemical
NE 161 Guoin Street	Address not listed	Address not listed	Address not listed
NE 1501 Atwater Street	Address not listed	Address not listed	Address not listed
E 393 Atwater Street	Address not listed	Address not listed	Address not listed
E 1501 Atwater Street	Address not listed	Address not listed	Address not listed
SE 394 Atwater Street	Address not listed	Address not listed	Address not listed
SE 1500 Atwater Street	Address not listed	Address not listed	Address not listed
S 364 Atwater Street	Address not listed	Address not listed	Address not listed
S 1470-1474 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House
SW 340-350 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
SW 1440 Atwater Street	Address not listed	U.S. Gypsum Co.	U.S. Gypsum Co.
W 347-509 Atwater Street	D.S. Ry Power House	Address not listed	Address not listed
W 1461 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House
NW 254-272 Franklin Street	Address not listed	Address not listed	Address not listed
NW 1438-1450 Franklin Street	Address not listed	Atlas Crucible Steel Co.	Address no listed

**HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
 @WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN**

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	1471-1477 Atwater Street	Detroit Screw Works	Detroit Screw Works	Detroit Screw Works
N	1460-1490 Franklin Street	Eaton-Clark Chemical Co	Eaton-Clark Chemical Co	Eaton-Clark Chemical Co
NE	1501 Guoin Street	Address not listed	Address not listed	Address not listed
E	1501 Atwater Street	Address not listed	Address not listed	Address not listed
SE	1500 Atwater Street	Address not listed	Address not listed	Address not listed
S	1470-1474 Atwater Street	Address not listed	D.S. Ry Power House	D.S. Ry Power House
SW	1440 Atwater Street	U.S. Gypsum Co.	U.S. Gypsum Co.	Vacant
W	1461 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	Vacant
NW	1438-1450 Franklin Street	Address not listed	Eaton-Clark Chemicals	Eaton-Clark Chemicals

✱	Address ▼ // Year ►	1935	1937	1939
SP	1471-1477 Atwater Street	Address not listed	Address not listed	Address not listed
N	1460-1490 Franklin Street	Address not listed	Address not listed	Address no listed
NE	1501 Guoin Street	Address not listed	Address not listed	Address not listed
E	1501 Atwater Street	Address not listed	Address not listed	Address not listed
SE	1500 Atwater Street	Address not listed	Address not listed	Address not listed
S	1470-1474 Atwater Street	Dept of Public Lighting	Address not listed	Address not listed
SW	1440 Atwater Street	Vacant	Address not listed	Nicholson Universal Steamship Co.
W	1461 Atwater Street	Vacant	Vacant	Address not listed
NW	1438-1450 Franklin Street	Address not listed	Address not listed	Address no listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1941	1957	1963
SP	1471-1477 Atwater Street	Address not listed	Ainsworth Manufacturing Corp.	Vacant
N	1460-1490 Franklin Street	Address not listed	Eaton Chemical Co.	Eaton Chemical Co.
NE	1501 Guoin Street	Address not listed	Address not listed	Address not listed
E	1501 Atwater Street	Address not listed	Address not listed	Address not listed
SE	1500 Atwater Street	Address not listed	Huron Portland Cement Co.	Huron Portland Cement Co.
S	1470-1474 Atwater Street	Address not listed	Address not listed	Address not listed
SW	1440 Atwater Street	Vacant	Address not listed	Address not listed
W	1461 Atwater Street	Address not listed	Address not listed	Address not listed
NW	1438-1450 Franklin Street	Address not listed	Address not listed	Address no listed

✱	Address ▼ // Year ►	1967	1970	1974
SP	1471-1477 Atwater Street	Coil Steel Co.	Vacant	Vacant
N	1460-1490 Franklin Street	Eaton Chemical Co.	C & V Industrial Pub and Warehouse	C & V Industrial Pub and Warehouse
NE	1501 Guoin Street	Address not listed	Address not listed	Address not listed
E	1501 Atwater Street	Address not listed	Address not listed	Address not listed
SE	1500 Atwater Street	Huron Portland Cement Co.	Huron Cement Co.	Huron Cement Co.
S	1470-1474 Atwater Street	Address not listed	Address not listed	Address not listed
SW	1440 Atwater Street	Address not listed	Address not listed	Address not listed
W	1461 Atwater Street	Address not listed	Address not listed	Address not listed
NW	1438-1450 Franklin Street	Address not listed	Address not listed	Address not listed

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@ WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1997	2003	
SP	1471-1477 Atwater Street	Address not listed	Address not listed	
N	1460-1490 Franklin Street	Stone Soap Co.	Address not listed	
NE	1501 Guoin Street	Address not listed	Address not listed	
E	1501 Atwater Street	Address not listed	Address not listed	
SE	1500 Atwater Street	LaFarge Corp.	LaFarge Corp.	
S	1470-1474 Atwater Street	Koenig Fuel and Supply Co.	Address not listed	
SW	1440 Atwater Street	Address not listed	Address not listed	
W	1461 Atwater Street	Address not listed	Address not listed	
NW	1438-1450 Franklin Street	Address not listed	Address not listed	

✱	Address ▼ // Year ►	1900	1902	1906
SP	364 Atwater Street	Vacant	Vacant	Address not listed
N	379 Atwater Street	Address not listed	D.S. Ry Power House	Address not listed
NE	393 Atwater Street	Address not listed	Address not listed	Address not listed
E	394 Atwater Street	Pittmans and Deans	Address not listed	Address not listed
W	340-350 Atwater Street	Little CH Co.	Little CH Co.	Little CH Co.
NW	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House

✱	Address ▼ // Year ►	1909	1912	1915
SP	364 Atwater Street	Address not listed	Address not listed	Address not listed
N	379 Atwater Street	Address not listed	Address not listed	Address not listed
NE	393 Atwater Street	Address not listed	Address not listed	Address not listed
E	394 Atwater Street	Address not listed	Address not listed	Address not listed
W	340-350 Atwater Street	Little CH Co.	Little CH Co.	United Fuel and Supply Co.
NW	347-509 Atwater Street	D.S. Ry Power House	D.S. Ry Power House	D.S. Ry Power House



HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1918	1922-23	1924-25
SP	364 Atwater Street	Address not listed	Address not listed	Address not listed
SP	1470-1474 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House
N	379 Atwater Street	Address not listed	Address not listed	Address not listed
N	1471-1477 Atwater Street	Address not listed	Detroit Screw Works	Detroit Screw Works
NE	393 Atwater Street	Address not listed	Address not listed	Address not listed
NE	1501 Atwater Street	Address not listed	Address not listed	Address not listed
E	394 Atwater Street	Address not listed	Address not listed	Address not listed
E	1500 Atwater Street	Address not listed	Address not listed	Address not listed
W	340-350 Atwater Street	United Fuel and Supply Co.	Address not listed	Address not listed
W	1440 Atwater Street	Address not listed	U.S. Gypsum Co.	U.S. Gypsum Co.
NW	347-509 Atwater Street	D.S. Ry Power House	Address not listed	Address not listed
NW	1461 Atwater Street	Address not listed	D.S. Ry Power Housed	D.S. Ry Power House

✱	Address ▼ // Year ►	1926-27	1928-30	1932-33
SP	1470-1474 Atwater Street	Address not listed	D.S. Ry Power House	D.S. Ry Power House
N	1471-1477 Atwater Street	Detroit Screw Works	Detroit Screw Works	Detroit Screw Works
NE	1501 Atwater Street	Address not listed	Address not listed	Address not listed
E	1500 Atwater Street	Address not listed	Address not listed	Address not listed
W	1440 Atwater Street	U.S. Gypsum Co.	U.S. Gypsum Co.	Vacant
NW	1461 Atwater Street	Address not listed	Eaton-Clark Chemicals	Eaton-Clark Chemicals

HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
@WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN

✱	Address ▼ // Year ►	1935	1937	1939
SP	1470-1474 Atwater Street	Dept of Public Lighting	Address not listed	Address not listed
N	1471-1477 Atwater Street	Address not listed	Address not listed	Address not listed
NE	1501 Atwater Street	Address not listed	Address not listed	Address not listed
E	1500 Atwater Street	Address not listed	Address not listed	Address not listed
W	1440 Atwater Street	Vacant	Address not listed	Nicholson Universal Steamship Co.
NW	1461 Atwater Street	Vacant	Vacant	Address not listed

✱	Address ▼ // Year ►	1941	1957	1963
SP	1470-1474 Atwater Street	Address not listed	Address not listed	Address not listed
N	1471-1477 Atwater Street	Address not listed	Ainsworth Manufacturing Corp.	Vacant
NE	1501 Atwater Street	Address not listed	Address not listed	Address not listed
E	1500 Atwater Street	Address not listed	Huron Portland Cement Co.	Huron Portland Cement Co.
W	1440 Atwater Street	Vacant	Address not listed	Address not listed
NW	1461 Atwater Street	Address not listed	Address not listed	Address not listed

✱	Address ▼ // Year ►	1967	1970	1974
SP	1470-1474 Atwater Street	Address not listed	Address not listed	Address not listed
N	1471-1477 Atwater Street	Coil Steel Co.	Vacant	Vacant
NE	1501 Atwater Street	Address not listed	Address not listed	Address not listed
E	1500 Atwater Street	Huron Portland Cement Co.	Huron Cement Co.	Huron Cement Co.
W	1440 Atwater Street	Address not listed	Address not listed	Address not listed
NW	1461 Atwater Street	Address not listed	Address not listed	Address not listed

**HISTORICAL CITY DIRECTORY REVIEW SUMMARY – AKT PROJECT 5133D-1-17
 @ WATER LOFTS DETROIT, WAYNE COUNTY, MICHIGAN**

✱	Address ▼ // Year ►	1997	2003	
SP	1470-1474 Atwater Street	Koenig Fuel and Supply Co.	Address not listed	
N	1471-1477 Atwater Street	Address not listed	Address not listed	
NE	1501 Atwater Street	Address not listed	Address not listed	
E	1500 Atwater Street	LaFarge Corp.	LaFarge Corp.	
W	1440 Atwater Street	Address not listed	Address not listed	
NW	1461 Atwater Street	Address not listed	Address not listed	

APPENDIX B

AKT Peerless' December 2006 Phase II ESA

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
@ WATER LOFTS DEVELOPMENT (NORTHEAST)
PARCELS F AND G
1461 THROUGH 1471 EAST ATWATER STREET
DETROIT, MICHIGAN 48207**

prepared for

**DETROIT/WAYNE COUNTY PORT AUTHORITY
8109 EAST JEFFERSON AVENUE
DETROIT, MICHIGAN, 48214**

**AKT PEERLESS PROJECT No. 5133D-7-20
DECEMBER 14, 2006**

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Figure 2	Subject Property, Utility and Soil Boring Location Map
Figure 3	Site Map with Soil Analytical Results Exceeding MDEQ GRCC

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Table 2	Summary of Groundwater Analytical Results

APPENDICES

Appendix A	Soil Boring Logs
Appendix B	Laboratory Analytical Report
Appendix C	Geophysical Survey Report

PHASE II ENVIRONMENTAL SITE ASSESSMENT

**@WATER LOFTS DEVELOPMENT (NORTHEAST)
ATWATER STREET
DETROIT, MICHIGAN 48214**

AKT PEERLESS PROJECT NO. 5133D-6-20

1.0 INTRODUCTION

Detroit/Wayne County Port Authority (DWCPA) retained AKT Peerless Environmental Services (AKT Peerless) to conduct a Phase II Environmental Site Assessment (ESA) of the property located on the northern side of Atwater Street between Rivard and Riopelle Streets in Detroit, Wayne County, Michigan (subject property). This report summarizes the subsurface investigation activities conducted at the @water Lofts Northeast development (Parcels F and G). This report was completed on behalf of DWCPA and Belmar Development Group, LLC (the Developer). AKT Peerless understands the Developer plans to construct a mixed-use commercial and residential development at the subject property.

DWCPA was awarded United States Environmental Protection Agency (USEPA) Brownfield Assessment Grants to conduct environmental assessments of petroleum and hazardous substance sites. This Phase II ESA was conducted as part of the Hazardous Substance Assessment Grant. The scope of the Phase II ESA was based on:

- USEPA Work Plan, dated November 28, 2006, and approved December 6, 2006.
- Proposals for Environmental Investigation, (AKT Peerless Proposal No. PD-7465, dated October 31, 2006, and;
- The recognized environmental conditions (RECs) identified in AKT Peerless' Phase I ESA dated October 31, 2006.

This documents the field activities, sampling protocols, and laboratory analytical results associated with AKT Peerless' Phase II ESA. AKT Peerless' Phase II ESA was performed for the benefit of DWCPA and Belmar Development Group, LLC and for future financing entities. AKT Peerless asserts that these parties may rely on the contents and conclusions of this report.

The field activities were performed on December 7, 2006. AKT Peerless' scope of work was based on American Society for Testing and Materials (ASTM) "*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process E-1903-97*." ASTM E-1903-97 provides a framework for employing good and commercial and customary practices in conducting a Phase II ESA of a property with RECs.

2.0 BACKGROUND

The background information provided in the following sections is based on AKT Peerless' Phase I ESA.

2.1 SUBJECT PROPERTY DESCRIPTION AND FEATURES

The subject property is situated on the northwestern corner of E. Atwater Street and Riopelle Street in Detroit, Wayne County, Michigan. It consists of two vacant rectangular-shaped parcels (Parcels F and G). The subject property is currently vacant.

2.2 PHYSICAL SETTING

The subject property is located in an area of Detroit that is characterized by residential, commercial, and industrial property.

2.3 HYDROGEOLOGIC SETTING

The following subsections present the regional geologic setting based on available published information and the local geologic setting based on subsurface work conducted at the subject property.

2.3.1 Topography and Surface Water Drainage

According to the USGS' *Topographic Map of the Detroit, Michigan Quadrangle*, which was published in 1968 and was photorevised in 1973 and 1980, the subject property is situated between 579 and 590 feet above the National Geodetic Vertical Datum (NGVD). The subject property's topography appears to decline gently to the south.

2.3.2 Regional Geology and Hydrogeology

Soil

According to the MDNR Geological Survey Division's *Bedrock Geology of Southern Michigan* (1987), bedrock beneath the subject property is classified as Bedford Shale of an unassigned series within the Devonian System of the Paleozoic Era. The depth to bedrock beneath the subject property was not readily available prior to the completion of this Phase I ESA.

According to the Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan*, soil in the area is lacustrine clay and silt. This soil is described as gray to dark reddish brown and is varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Soil thickness ranges from 10 to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

According to the United States Department of Agriculture, *Soil Survey of Wayne County, Michigan*, the soil in the area is classified as the Pewamo-Blount-Metamora association. This soil is described as "nearly level to gently sloping, poorly drained to somewhat poorly drained soils that have a fine-textured to moderately fine-textured subsoil."

The geology encountered during the Phase II investigation is consistent with the geology described in these publications.

Groundwater

Typically, the water table aquifer flows toward a major drainage feature or in the same direction as the drainage basin. The Detroit River, which flows southwest, is located approximately 563 feet south of Parcels F and G. Therefore, AKT Peerless infers that groundwater beneath the subject property flows to the south, with potential influence from the Detroit River. However,

man-made cultural features (e.g., utility corridors and filled areas) may influence the groundwater flow direction in older urban environments with shallow groundwater. Other than the Detroit River, AKT Peerless' research did not identify any known groundwater recharge area on or near the subject property, or any groundwater supply on the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Detroit, which obtains its municipal water from the Detroit Water & Sewerage Department (DWSD). Public sources of information do not identify main aquifers below the subject property.

2.4 SUBJECT PROPERTY HISTORY AND LAND USE

The following table summarizes the general development and use of the subject property, as identified by AKT Peerless.

Parcel F 1461 E. Atwater Street / 1469 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several small rectangular buildings.	Lumber and coal storage	R.C. Faulconer	Sanborns
1897 – 1930	Removal of former building and construction of two rectangular buildings.	Power house	D. S. Ry Power House (1921-1930)	City directories Sanborns
1949 – 1952	None apparent	Steel warehouse and office	Ambassador Steel	Municipal records Aerial photographs City directories Sanborns
1953-2000	Addition incorporating two buildings.	Large rectangular buildings used for steel fabricating and offices. Addition used as a paint room.	Ambassador Steel	Municipal records Aerial photographs City directories Topographic map Sanborns
2002	None apparent	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of structures.	Vacant	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

Parcel G 1471 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1884	Several small rectangular buildings.	Lumber and coal storage	R.C. Faulconer	Sanborns
1897 –	Construction of one large	Light	Mill	Municipal records

Parcel G 1471 E. Atwater Street				
Time Period	Improvements	Use	Owner / Occupant	Data Source(s)
1966	rectangular building.	industrial/manufacturing and warehouse	Construction (1897), Detroit Screw Works (1900-1902), Allen Industries Inc. (1950-1953), and Ainsworth Manufacturing Corp. (1957)	Aerial photographs City directories Sanborns
1967 – 1970	Removal of former building and construction of “I-shaped” building.	Light industrial/manufacturing	Coil Steel (1967)	Municipal records Aerial photographs City directories Topographic map Sanborns interviews
1970-2002	None apparent	Vacant	Unknown	Municipal records Aerial photographs City directories Topographic map Sanborns
2006	Demolition of remaining structures.	Vacant land	City of Detroit	Municipal records Aerial photographs City directories Topographic map Sanborns

2.5 ADJACENT PROPERTY HISTORY AND LAND USE

2.5.1 Northern Adjoining Properties

The northern adjoining properties have consisted of railroad tracks, followed by light industrial/manufacturing buildings and associated storage yards since at least 1884.

The northeastern adjoining property, beyond Riopelle Street, consisted of railroad tracks and storage yards from at least 1884 until 1950 and light industrial/manufacturing from 1953 through the present.

2.5.2 Eastern Adjoining Property

The eastern adjoining property, beyond Riopelle Street, contained railroad tracks and light industrial/manufacturing facilities from at least 1884 until 1922. The eastern adjoining property has remained vacant land since at least 1950.

2.5.3 Southern Adjoining Properties

The southern adjoining properties, beyond Atwater Street, has contained light industrial/manufacturing buildings from at least 1897 until these buildings were demolished in late 2000.

The southeastern adjoining property, beyond Riopelle Street and Atwater Street, was a coal storage yard from at least 1884 until 1897, when it was improved with a light industrial/manufacturing building and associated paved and landscaped areas. These buildings were demolished in the 2000s.

2.5.4 Western Adjoining Property

The western adjoining property consisted of a railroad yard from at least 1884 until the 1988s, when it was improved with a commercial building and associated paved and landscaped areas. The railroad yard was removed and the buildings were demolished in the 2000s.

2.6 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

2.6.1 Enviro Matrix's June 2005 Baseline Environmental Assessment

Belmar Development provided AKT Peerless with a copy of a Category "N" Baseline Environmental Assessment (BEA), prepared in June 2005 by Enviro Matrix on behalf of the City of Detroit. The BEA was disclosed to the MDEQ on June 30, 2005. Enviro-Matrix's BEA included several previous environmental investigations of the subject property, which are summarized in the following subsections:

- Phase II Environmental Inquiry, prepared in May 1999 by Roy F. Weston Inc. (Weston) on behalf of The City of Detroit.

In May 1999, Weston completed a Phase II Environmental Inquiry for the Waterfront Reclamation Casino Development Project. The purpose of this inquiry was to provide the information necessary to complete an Administrative Agreement and Covenant Not to Sue with the State of Michigan. The investigation area included 107 parcels and adjacent rights-of-way – part of which included the subject property Parcels D through H. Weston's investigation included (1) review of existing environmental reports, (2) geophysical survey of select parcels, (3) collecting surface samples from select parcels, (4) an evaluation of abandoned containers, and (5) drilling soil borings.

Weston conducted assessment activities on the subject property Parcels D through G. During the investigation on these parcels, Weston (1) conducted a geophysical surveys of Parcels F and G (outside of buildings), (2) drilled soil borings on Parcels D through H, (3) collected soil and groundwater samples, and (4) submitted soil samples for laboratory analyses. Samples were submitted for laboratory analyses of select parameters including VOCs, semi-volatile organic compounds (SVOCs), PCBs, and Michigan metals.

The following table provides a summary of analytical results detected above applicable criteria at the respective parcel.

Parcel Designation	Matrix	Parameter	Criteria Exceeded
Parcel D	Soil	SVOCs	Direct Contact
	Groundwater	SVOCs	Groundwater Contact
Parcel E (r-o-w)	Soil	Metal (arsenic)	Direct Contact
Parcel F	Soil	SVOCs Metals (arsenic and lead)	Direct Contact
	Groundwater	SVOCs	Groundwater Contact
Parcel H	Soil	BTEX	Groundwater to Surface Water Interface Drinking Water

In addition, several abandoned containers (ASTs, drums, etc.) were observed at the subject property during Enviro-Matrix investigation. These containers have since been removed from the subject property.

According to Enviro-Matrix, geophysical surveys conducted on the subject property identified two anomalies (one on northeast corner and one on southeast corner) on Parcel F. AKT Peerless was not provided with any additional information regarding investigation of these anomalies. It is important to note that the surveys were not conducted on all parcels (only Parcels F and G), and were conducted outside the former buildings.

2.6.2 AKT Peerless' October 2006, Phase I ESA

On October 31, 2006, AKT Peerless completed a Phase I ESA of the subject property on behalf of the DWCPA. The purpose of AKT Peerless' ESA was to provide an independent, professional opinion of the *recognized environmental conditions* (RECs) or *historical recognized environmental conditions* (HRECs) associated with the subject property, if any. The RECs identified by AKT Peerless are summarized below.

1. Parcel F consisted of a coal and lumber storage yard beginning in at least 1884. The subject property was used as a powerhouse from at least 1887 until 1930 when the building was converted to a steel warehouse. The subject property remained a steel warehouse until 1952, when it became a steel fabricating facility with a paint room. According to the EDR Report, Parcel F was identified on the "open" LUST database due to a confirmed release of diesel fuel in September 1992. Analytical results of previous investigations indicate that SVOCs and metals were detected in soil and groundwater above MDEQ Part 201 Direct Contact Criteria. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel F.
2. Parcel G consisted of a coal and lumber storage yard from at least 1884 until a light industrial/manufacturing and warehouse facility was constructed between 1884 and 1897. Industrial activities were conducted at Parcel G until the building was vacated in the 1970s, and was demolished in the 2000s. It is AKT Peerless' opinion that a potential exists for the subject property's soil and groundwater to have been adversely affected by the historical use of Parcel G.
3. AKT Peerless observed fill material on the ground surface of each of the subject property parcels. The origin of this material is not known. In addition, AKT Peerless observed what appears to be a former machine pit on Parcel F.
4. Railroad tracks were located along the northern and western portions of Parcel A through G

from at least 1884 until approximately 1977. Potential concerns typically associated with railroad tracks include the use of fill materials as ballast to support the ties and rails of the railroad tracks and leaks or spills of hazardous materials or petroleum products.

5. Industrial activities were conducted on the northern (1370 Franklin Street) and the eastern (1500 E. Atwater Street) adjoining properties beginning in the 1800s. These northern and eastern adjoining properties were identified on the "open" LUST site database.

3.0 INVESTIGATION ACTIVITIES

3.1 SCOPE OF ASSESSMENT

To further evaluate the RECs identified in AKT Peerless' Phase I ESA, AKT Peerless conducted a subsurface investigation of the subject property that included: (1) completing a geophysical survey of Parcel F, (2) drilling 14 soil borings (B-19 through B-32), (3) installing 9 temporary groundwater monitoring, (4) collecting 15 soil samples and 9 groundwater samples, and (5) submitting these samples for laboratory analysis. Samples were submitted for select laboratory analysis including volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), Michigan Metals¹, and/or PCBs.

3.2 GEOPHYSICAL SURVEY

AKT Peerless retained Geophysical Imaging, Inc. (GII) to conduct a geophysical survey of Parcel F. In December 2006, GII conducted an electromagnetic induction (EM) and ground penetrating radar (GPR) survey to evaluate whether USTs are present beneath Parcel F. The results of the GPR survey indicated nine anomalies were detected beneath Parcel F. GII recommended conducting test pits to evaluate these anomalies. A copy of the geophysical survey report is included as Appendix C.

3.3 SUBSURFACE INVESTIGATION

The following table summarizes each REC, the subsurface investigation activities performed to address each REC, and the laboratory parameters used to address each REC.

Summary of AKT Peerless' Scope of Subsurface Investigation

REC #	Environmental Concern	Investigation Activity
1	Historical use of Parcel F and existing fill material	B-24 through B-32* Geophysical survey
2	Historical use of Parcel G and existing fill material	B-19 through B-23*
3	Adjoining property	B-19, B-23, B-25, B-27, and B-29*

* In total, 43 soil borings were drilled to evaluate the three @water Lofts developments. These soil borings (B-19 through B-32) were drilled on the @water Lofts Northeast development (Parcel F and G).

3.3.1 Soil Evaluation

On December 7, 2006, AKT Peerless retained Fibertec Environmental Services. (Fibertec) of

¹ Michigan Metals include arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc.

Brighton, Michigan to drill 14 soil borings at the subject property. Fibertec used hydraulic drive/direct-push (Geoprobe®) sampling techniques and followed the drilling procedures outlined in ASTM publication ASTM D-4700. Fibertec collected continuous soil samples from the soil borings at four-foot and five-foot intervals to the maximum depth explored of 20 feet below ground surface (bgs). AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location. The following table summarizes soil boring locations and soil samples submitted for laboratory analyses.

Summary of Soil Sample Collection

Soil Boring Location	Soil Boring Location	Samples Submitted To Laboratory (in feet bgs)	Analytical Parameters
B-19	In the northeastern corner of Parcel G near former railroad tracks and within former lumber yard	B-19 (18-20)	VOCs, PNAs, Michigan Metals
B-20	Area of former machine shop on Parcel G	B-20 (7-9)	VOCs, PNAs, Michigan Metals
B-21	Eastern edge of Parcel G within former lumber yard	B-21 (3-5)	VOCs, PNAs, Michigan Metals
B-22	Area of former machine shop on Parcel G	B-22 (0-0.5) B-22 (5-7)	VOCs, PNAs, Michigan Metals
B-23	Area of former machine shop on Parcel G	B-23 (6-8)	VOCs, PNAs, Michigan Metals
B-24	Former lumber yard of Parcel F	B-24 (5-7)	VOCs, PNAs, Michigan Metals
B-25	Near former powerhouse boiler room on Parcel F	B-25 (4-6) B-25 (10-12)	VOCs, PNAs, PCBs, Michigan Metals
B-26	In area of former steel warehouse on Parcel F	B-26 (6-8)	VOCs, PNAs, Michigan Metals
B-27	In area of former powerhouse boiler room and steel warehouse on Parcel F	B-27 (3-5)	VOCs, PNAs, PCBs, Michigan Metals
B-28	In area of former steel warehouse on Parcel F	B-28 (0-0.5) B-28 (2-4)	VOCs, PNAs, Michigan Metals
B-29	In area of former powerhouse boiler room and steel warehouse on Parcel F	Not applicable (Refusal)	Not applicable
B-30	In area of former powerhouse engine room and steel warehouse on Parcel F	B-30 (4-6)	VOCs, PNAs, PCBs, Michigan Metals
B-32	In area of former powerhouse engine room and steel warehouse on Parcel F	B-32 (1-3)	VOCs, PNAs, PCBs, Michigan Metals

It should be noted that soil borings B-1 through B-18 were drilled on Atwater (South) and soil borings B-33 through B-43 were drilled on Atwater (Northwest).

Refer to Figure 2 for a site map with soil boring locations.

3.3.2 Groundwater Evaluation

AKT Peerless encountered groundwater in soil borings B-19 through B-21, B-23, B-24, B-27, B-28, B-30, and B-31. The groundwater was encountered at depths ranging from three to ten feet

and appeared to be perched. AKT Peerless instructed Fibertec to install temporary groundwater monitoring wells in these boring locations. The following table summarizes temporary groundwater monitoring well locations and groundwater samples submitted for laboratory analyses.

Summary of Groundwater Sample Collection

Monitor Well Location	Monitor Well Location On Subject Property	Samples Submitted To Laboratory	Analytical Parameters
B-19	In northeast corner of Parcel G near former railroad tracks and within former lumber yard	B-19w	VOCs, PNAs, Michigan Metals
B-20	Area of former machine shop on Parcel G	B-20w	VOCs, PNAs, Michigan Metals
B-21	Eastern edge of Parcel G within former lumber yard	B-21w	VOCs, PNAs, Michigan Metals
B-23	Area of former machine shop on Parcel G	B-23w	VOCs, PNAs, Michigan Metals
B-24	Former lumber yard of Parcel F	B-24w	VOCs, PNAs, Michigan Metals
B-27	In area of former powerhouse boiler room and steel warehouse on Parcel F	B-27w	VOCs, PNAs, PCBs, Michigan Metals
B-28	In area of former steel warehouse on Parcel F	B-28w	VOCs, PNAs, Michigan Metals
B-30	In area of former powerhouse engine room and steel warehouse on Parcel F	B-30w	VOCs, PNAs, Michigan Metals
B-31	In area of former powerhouse engine room and steel warehouse on Parcel F	B-31w	VOCs, PNAs, PCBs, Michigan Metals

Refer to Figure 2 for a site map with temporary monitor well locations.

3.4 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the accuracy of data collected during on site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) decontamination of sampling equipment before and between sampling events, (2) calibration of field equipment, (3) documentation of field activities, and (4) appropriate sample preservation techniques, and (5) collection of QAQC evaluation samples. AKT Peerless performed a qualitative evaluation of all samples collected during drilling, and a quantitative analysis of discrete samples using approved laboratory analytical methods.

3.4.1 Decontamination of Equipment

During sample collection, AKT Peerless and Fibertec adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent;
- Rinsing the equipment with tap water; and
- Air-drying the equipment.

3.4.2 Calibration of Field Equipment

During AKT Peerless' Phase II ESA, a photoionization detector (PID) was used to screen all soil samples. The PID was maintained in a calibrated condition using 100-ppm isobutylene gas prior to conducting the Phase II ESA.

3.4.3 Documentation of Activities

During AKT Peerless' Phase II ESA activities, subject property conditions (i.e. soil boring locations, weather conditions) were documented. AKT Peerless visually inspected the soil samples and prepared a geologic log for each soil boring. The logs included soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and/or water table depth, and (4) signs of possible contamination. All samples were delivered to the laboratory under chain-of-custody documentation. See Appendix A for AKT Peerless' soil boring logs.

3.4.4 Sample Preservation Techniques

AKT Peerless collected samples in accordance with United States Environmental Protection Agency's (USEPA) Publication SW-846, *"Testing Methods for Evaluating Solid Waste."* Samples were collected in laboratory-supplied containers, properly preserved, stored on ice, and submitted under chain-of-custody documentation to the laboratory.

3.4.5 QA/QC Samples

During AKT Peerless' Phase II activities, AKT Peerless field personnel strictly followed quality control measures through the use of replicate measurements, equipment calibration checks, and data verification. Field sampling precision and data quality were evaluated through the use of sample duplicates, equipment blanks, VOA trip blanks and bottle blanks. Sample duplicates provide precision information regarding homogeneity, handling, transportation, storage, and analyses. Equipment (rinstate) blanks will be used to assure that proper decontamination procedures have been performed and that no cross-contamination has occurred during sampling or transportation. VOA trip blanks will be used to assure that transportation of samples have not contaminated samples. Bottle blanks will be used to ensure that containers utilized to collect samples were free of contaminants.

3.5 LABORATORY ANALYSES AND METHODS

AKT Peerless submitted 15 soil sample and nine groundwater samples for laboratory analyses. The samples were analyzed for select laboratory analysis including VOCs, PNAs, Michigan metals, and/or PCBs. The following table summarizes the samples submitted for laboratory analysis, and their respective chemical analyses.

Summary of Laboratory Analyses

Sample Origin	Sample Name	VOCs	PNAs	Michigan Metals	PCBs
B-19	B-19 (18-20)	☑	☑	☑	
	B-19w	☑	☑	☑	
B-20	B-20 (7-9)	☑	☑	☑	
	B-20w	☑	☑	☑	

Sample Origin	Sample Name	VOCs	PNAs	Michigan Metals	PCBs
B-21	B-21 (3-5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	B-21w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-22	B-22 (0-0.5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	B-22 (5-7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-23	B-23 (6-8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	B-23w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-24	B-24 (5-7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	B-24w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-25	B-25 (4-6)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	B-25 (10-12)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-26	B-26 (6-8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-27	B-27 (3-5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	B-27w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-28	B-28 (0-0.5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	B-28 (2-4)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	B-28w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-30	B-30 (4-6)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	B-30w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
B-31	B-31w	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-32	B-32 (1-3)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Method 5035/8260; (2) PNAs in accordance with USEPA Method 3550B/8270C; (3) Metals in accordance with USEPA Method 6020/7470/7471, and (4) PCBs in accordance with USEPA Method 8082.

4.0 LOCAL GEOLOGY/HYDROGEOLOGY

4.1 LOCAL GEOLOGY

During drilling activities, AKT Peerless encountered:

- **FILL:** in most soil boring locations from just below the ground surface to varying depths between 2 and 12 feet bgs. The fill was brown/black sand and gravel with masonry debris and clay located in some of the borings.
- **CLAY:** in all soil boring locations from varying depths between just below the ground surface to 20 feet bgs, the maximum depth explored. This clay was dry to moist, brown to grey in color, medium-stiff to stiff, occasionally mottled, and contained trace gravel.

Other than the fill material, the geology encountered during this Phase II ESA is consistent with the geology described in the publications noted in Section 2.3.2. Soil boring logs are included as Appendix A.

4.2 LOCAL HYDROGEOLOGY

During drilling activities, AKT Peerless encountered groundwater in 9 of the 14 soil borings drilled at the subject property. Groundwater was encountered in clay and fill at depths ranging from four to ten feet bgs. Based on conditions encountered during this investigation, shallow groundwater conditions typically consisted of shallow, perched groundwater encountered in fill material above native clay. AKT Peerless was unable to determine groundwater flow direction based on this investigation.

5.0 RESULTS OF LABORATORY ANALYSIS

5.1 RELEVANT EXPOSURE PATHWAYS

As defined in Michigan Public Act 451 Part 201, “relevant pathway” means an exposure pathway that is reasonable and relevant because there is a reasonable potential for exposure to a hazardous substance. Applicable criterion means a cleanup criterion for a relevant pathway. A criterion is not an applicable criterion if the exposure pathway is not a relevant pathway at the property.

The analysis of potential exposure pathways is based on existing conditions at the subject property.

5.1.1 Soil Exposure Pathways

The following subsections describe the potential soil exposure pathways and evaluate hazardous substances in light of the applicable criteria.

Drinking Water Protection Criteria

In order to evaluate “facility” status, analytical results were compared to Drinking Water Protection Criteria.

Groundwater Surface Water Interface Protection Criteria

In order to evaluate “facility” status, analytical results were compared to Groundwater Surface Water Interface Protection Criteria.

Groundwater Contact Protection Criteria

Groundwater Contact Protection is a relevant pathway.

Soil Volatilization to Indoor Air Inhalation Criteria

Soil Volatilization to Indoor Air Inhalation is a relevant exposure pathway.

Infinite Source Volatile Soil Inhalation Criteria

Infinite Source Volatile Soil Inhalation is a relevant exposure pathway.

Particulate Soil Inhalation Criteria

Particulate Soil Inhalation is a relevant exposure pathway.

Soil Direct Contact Criteria

Soil Direct Contact is a relevant exposure pathway.

5.1.2 Groundwater Exposure Pathways

The following subsections describe the potential groundwater exposure pathways and evaluate hazardous substances in light of the applicable criteria.

Drinking Water Criteria

In order to evaluate “facility” status, analytical results were compared to Drinking Water Criteria.

Groundwater Surface Water Interface Criteria

In order to evaluate “facility” status, analytical results were compared to Groundwater Surface Water Interface Criteria.

Groundwater Volatilization to Indoor Air Inhalation Criteria

Groundwater Volatilization to Indoor Air Inhalation is a relevant exposure pathway.

Groundwater Contact Criteria

Groundwater Direct Contact is a relevant exposure pathway.

5.2 APPLICABLE CRITERIA

AKT Peerless compared the laboratory analytical data to the applicable Part 201 Generic Residential Cleanup Criteria (GRCC) as published by the Remediation and Redevelopment Division (RRD) of the Michigan Department of Environmental Quality (MDEQ). The relevant exposure pathways at the subject property include:

- Soil Volatilization to Indoor Air Inhalation (SVIAI)/Groundwater Volatilization to Indoor Air Inhalation (GVIAI);
- Infinite Source Volatile Soil Inhalation (VSIC);
- Particulate Soil Inhalation (PSI), and;
- Soil Direct Contact (DC);
- Groundwater Contact (GC)/Groundwater Contact Protection (GCP);
- Groundwater Surface Water Interface (GSI)/Groundwater Surface Water Interface Protection (GSIP);
- Drinking Water Protection (DWP)/Drinking Water (DW).

5.3 SOIL ANALYTICAL RESULTS

AKT Peerless submitted 15 soil samples for laboratory analysis. The following table summarizes the soil boring locations, the analytes detected, and their respective exceeded MDEQ GRCC.

Soil Boring Location & Depth	Parameter	DWP	SVIAI	VSIC	PSI	DC	GSIP
B-19 (18-20')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
B-21 (3-5')	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-22 (0-0.5')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
	Tetrachloroethylene	<input checked="" type="checkbox"/>					
	Trichloroethylene	<input checked="" type="checkbox"/>					
B-23 (6-8')	Arsenic	<input checked="" type="checkbox"/>					
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-25 (4-6')	Arsenic					<input checked="" type="checkbox"/>	
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-26 (6-8')	Arsenic					<input checked="" type="checkbox"/>	
	Selenium						<input checked="" type="checkbox"/>
B-27 (3-5')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-28 (0-0.5')	Arsenic	<input checked="" type="checkbox"/>					
B-28 (2-4')	Arsenic	<input checked="" type="checkbox"/>					
	Mercury						<input checked="" type="checkbox"/>
	Selenium						<input checked="" type="checkbox"/>
B-30 (4-6')	Arsenic	<input checked="" type="checkbox"/>					
B-32 (1-3')	Arsenic	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	

These arsenic concentrations are indicative of regional background levels. In addition, no other parameters were detected at concentrations above MDEQ GRCC.

Refer to Table 1 for a summary of soil analytical results. Refer to Appendix B for a complete analytical laboratory report. See Figure 3 for a site map with soil analytical results exceeding relevant MDEQ GRCC.

5.4 GROUNDWATER ANALYTICAL RESULTS

AKT Peerless submitted nine groundwater samples for laboratory analysis. The laboratory analytical results indicate that no parameters were detected above at concentrations above MDEQ GRCC. Refer to Table 2 for a summary of groundwater analytical results. Refer to Appendix B for a complete analytical laboratory report.

6.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

6.1 SUMMARY OF SUBSURFACE INVESTIGATION

In December 2006, AKT Peerless: (1) completed a geophysical survey of the subject property; (2) advanced 14 soil borings, (3) installed 9 temporary groundwater monitoring wells, (4) collected 15 soil samples and nine groundwater samples, and (5) submitted samples for laboratory analysis. Samples were submitted for select laboratory analysis including VOCs,

PNAs, leaded gasoline parameters, Michigan Metals, and/or PCBs.

6.2 CONCLUSIONS

Based on laboratory analytical results, concentrations of arsenic, mercury, and selenium were detected above MDEQ GRCC. Therefore, the subject property meets the definition of a "facility", as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, as amended. Further, the results of the GPR survey indicated nine anomalies were detected beneath Parcel F.

6.3 RECOMMENDATIONS

The subject property meets the definition of a "facility". AKT Peerless recommends that, prior to transfer of the property to a new owner/operator, the new owner/operator should complete a Baseline Environmental Assessment (BEA). The BEA provides new purchaser's liability for existing contamination under Part 201 of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451 as amended (Part 201). AKT Peerless also recommends further investigation of the anomalies identified during the geophysical survey of the subject property.

AKT Peerless further recommends preparation of a Section 7a Compliance Analysis or "Due Care" Plan. Additional investigation will be necessary to define the extent of contamination identified at the subject property. Due care obligations under Part 201 include:

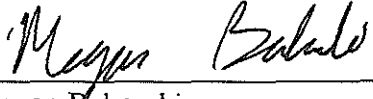
1. Undertake measures as are necessary to prevent exacerbation of the existing contamination.
2. Exercise due care by undertaking response activity necessary to mitigate unacceptable exposure to hazardous substances, mitigate fire and explosion hazards due to hazardous substances, and allow for the intended use of the *facility* in a manner that protects the public health and safety.
3. Take reasonable precautions against the reasonably foreseeable acts of omissions of a third party and the consequences that foreseeably could result from those acts or omissions.

7.0 LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of DWCPA and Belmar Development Group, LLC and for future financing entities. No distribution to, or reliance by, other parties may not occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without the written consent of DWCPA and Belmar Development Group, LLC, or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless, DWCPA, and Belmar Development Group, LLC.

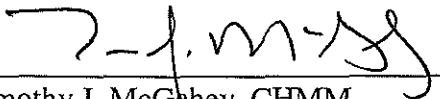
8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals contributed to the completion of this Phase II ESA.



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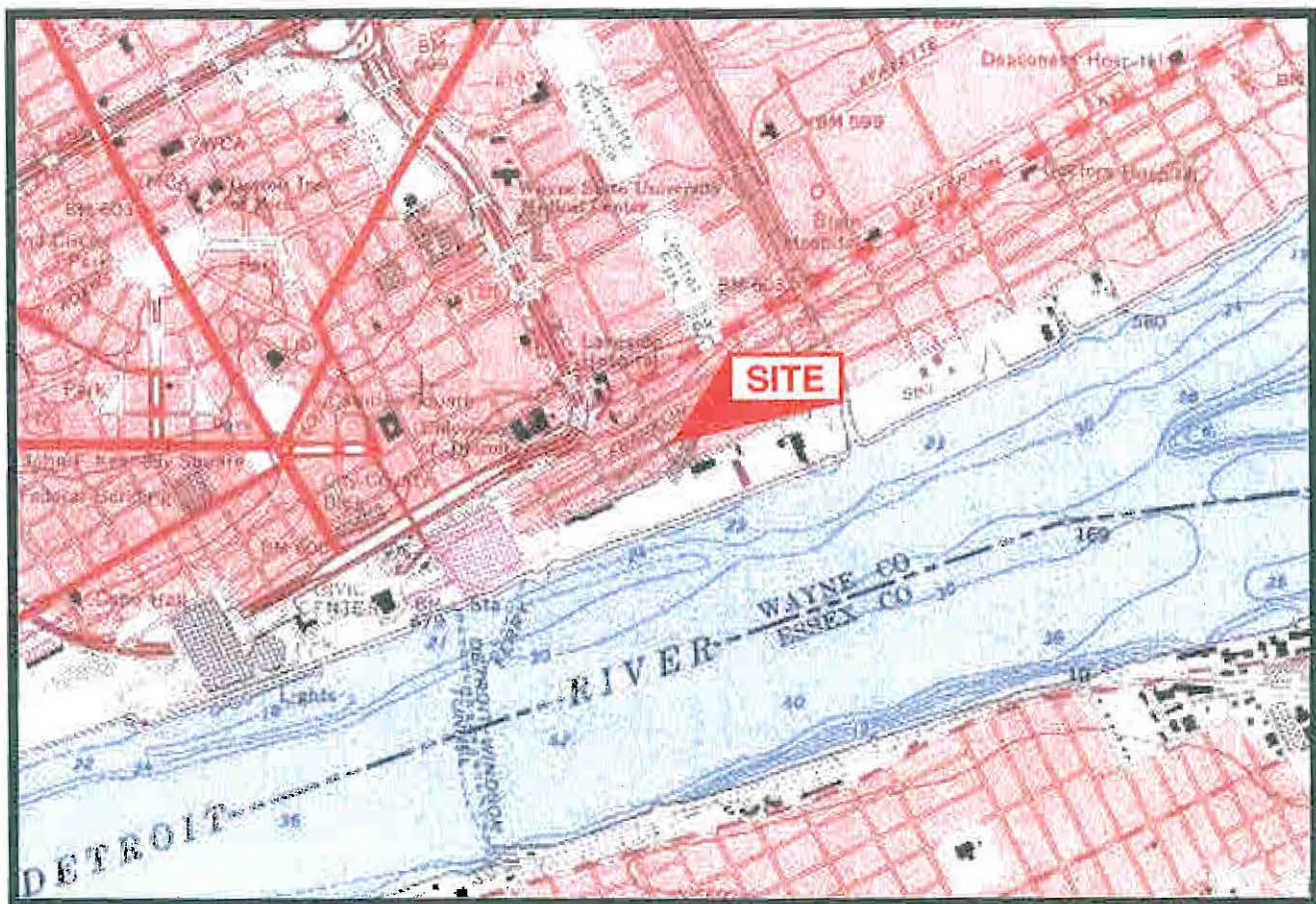


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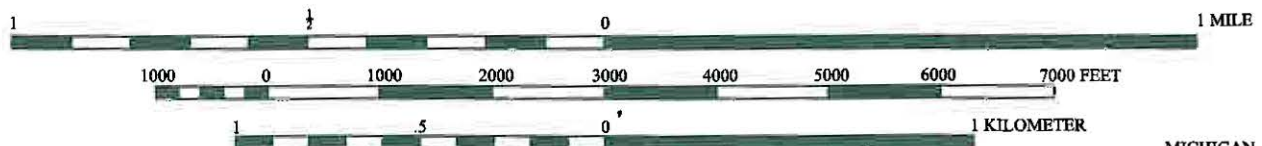
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FIGURES

DETROIT QUADRANGLE
MICHIGAN - WAYNE COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.2 S. - R.12 E.



CONTOUR INTERVAL 5 FEET
 DATUM IS MEAN SEA LEVEL



IMAGE TAKEN FROM 1968 U.S.G.S. TOPOGRAPHIC MAP
 PHOTOREVISED 1973 AND 1980

AKTPEERLESS
 environmental services

TOPOGRAPHIC LOCATION MAP

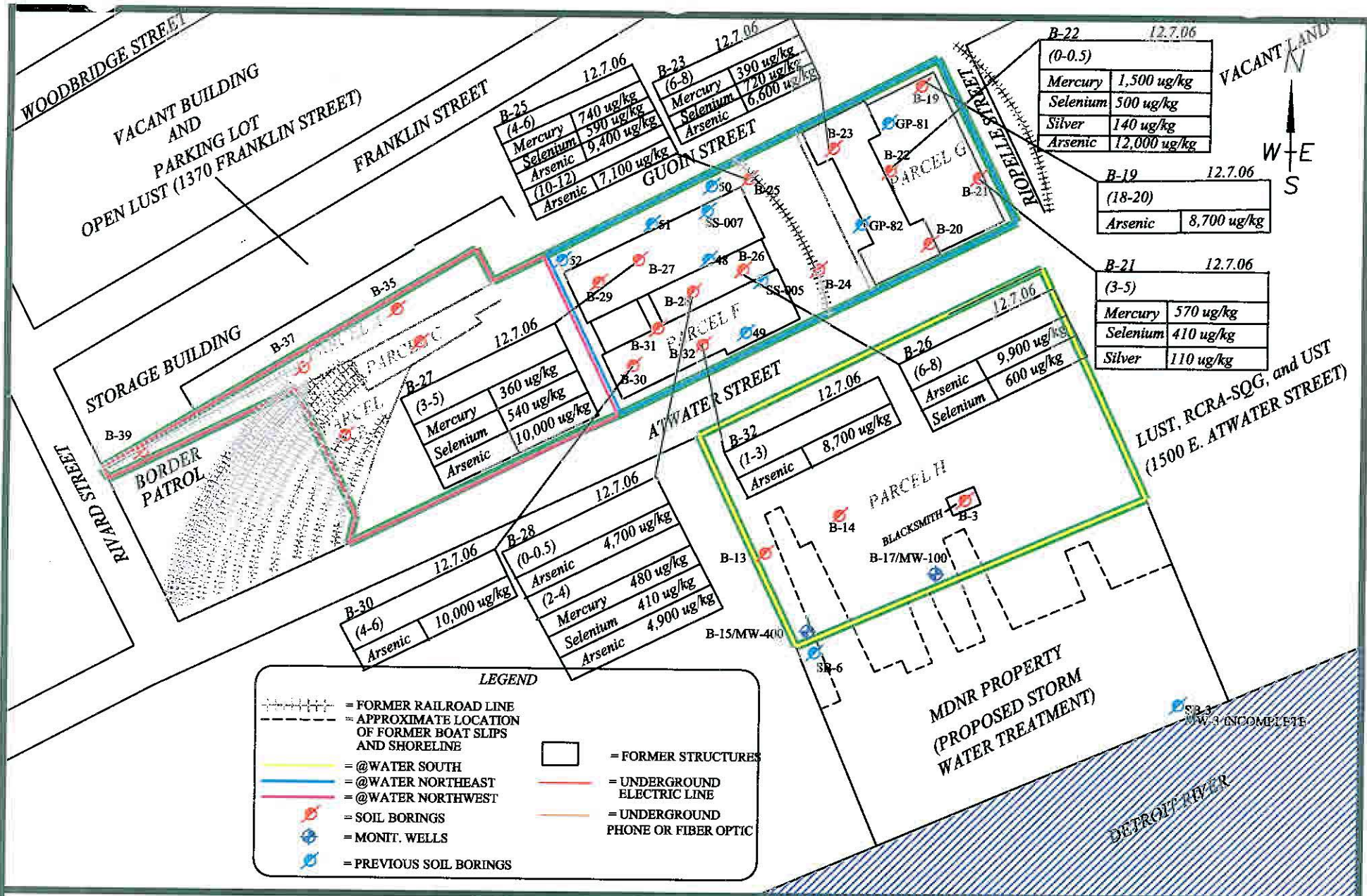
@WATER LOFTS
 (NORTHEAST)

ATWATER STREET
 DETROIT, MICHIGAN

PROJECT NUMBER : 5133D

DRAWN BY: MB
 DATE: 12.14.06

FIGURE 1



AKT PEERLESS
 environmental services

SITE MAP WITH SOIL ANALYTICAL RESULTS EXCEEDING MDEQ-GRCC
 @WATER LOFTS (NORTHEAST)
 ATWATER STREET
 DETROIT, MICHIGAN
 PROJECT NUMBER : 5133D

DRAWN BY: MB
 DATE: 12.14.06

0 75 150
 SCALE: 1" = 150' ±

FIGURE 3

TABLES

Table 1
Summary of Soil Analytical Results
Atwater Lotts
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Statewide Default Background Levels	Groundwater Protection			Indoor Air	Ambient Air (Y)		Direct Contact	Groundwater Protection				Indoor Air	Ambient Air (Y)		B-19 (18-20 feet) 12.7.06	B-20 (7-9 feet) 12.7.06	B-21 (3-5 feet) 12.7.06	B-22 (0-0.5 feet) 12.7.06	B-22 (5-7 feet) 12.7.06
			Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria & RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria & RBSLs	Residential and Commercial I Direct Contact Criteria & RBSLs	Residential Drinking Water Protection Criteria & RBSLs	Industrial and Commercial Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Particulate Soil Inhalation Criteria & RBSLs					
Analytes	CAS#																				
Volatile Organic Compounds (VOCs) (ug/Kg)																					
Benzene (I)	71432	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5	100	100	4,000 (X)	2.2E+5	8,400	45,000	4.7E+8	ND	ND	ND	ND	ND
n-Butylbenzene	104518	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6	1,600	4,600	ID	1.2E+5	ID	ID	ID	ND	ND	ND	ND	ND
sec-Butylbenzene	135988	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6	1,600	4,600	ID	88,000	ID	ID	ID	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)	1,500	1,500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+6	1.3E+10	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6	1,600	4,600	NA	3.0E+5	ID	ID	5.9E+8	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)	16,000	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	3.3E+6	1.2E+10	ND	ND	ND	ND	ND
Tetrachloroethylene	127184	NA	100	900 (X)	88,000 (C)	11,000	1.8E+5	5.4E+9	88,000 (C)	100	100	900 (X)	88,000 (C)	60,000	6.0E+5	6.8E+9	ND	ND	ND	ND	ND
Trichloroethylene	79016	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.8E+9	5.0E+5 (C,DD)	100	100	4,000 (X)	4.4E+5	37,000	2.6E+5	2.3E+9	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)	2,100	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.5E+7	3.6E+10	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)	1,800	1,800	1,100	94,000 (C)	94,000 (C)	1.9E+7	3.6E+10	ND	ND	ND	ND	ND
Xylenes (I)	1330207	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)	5,600	5,600	700	1.5E+5 (C)	1.5E+5 (C)	5.4E+7	1.3E+11	ND	ND	ND	ND	ND
Remaining VOCs	Varies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																					
Acenaphthene	83329	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7	3.0E+5	8.8E+5	4,400	9.7E+5	3.5E+8	9.7E+7	6.2E+9	ND	ND	ND	ND	ND
Acenaphthylene	208968	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6	5,900	17,000	ID	4.4E+5	3.0E+6	2.7E+6	1.0E+9	ND	ND	ND	ND	ND
Anthracene	120127	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8	41,000	41,000	ID	41,000	1.0E+9 (D)	1.6E+9	2.9E+10	ND	ND	ND	ND	ND
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	740	ND	ND	ND	ND
Benzo(a)pyrene (Q)	50328	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000	NLL	NLL	NLL	NLL	NLV	NLV	1.9E+6	ND	ND	ND	ND	ND
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	NLL	ID	ID	ID	20,000	NLL	NLL	NLL	NLL	ID	ID	ID	850	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6	NLL	NLL	NLL	NLL	NLV	NLV	3.5E+8	ND	ND	ND	ND	ND
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND
Chrysene (Q)	218019	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6	NLL	NLL	NLL	NLL	ID	ID	ID	780	ND	ND	ND	ND
Dibenzo(a,h)anthracene (Q)	53703	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND
Fluoranthene	206440	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	7.3E+5	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	8.9E+8	4.1E+9	ND	ND	ND	ND	ND
Fluorene	86737	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7	3.9E+5	8.9E+5	5,300	8.9E+5	1.0E+9 (D)	1.5E+8	4.1E+9	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	490	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6	57,000	1.7E+5	ID	5.5E+6	ID	ID	ID	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND
Phenanthrene	85018	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6	56,000	1.6E+5	5,300	1.1E+6	5.1E+6	1.9E+5	2.9E+6	ND	ND	ND	1,200	ND
Pyrene	129000	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	4.8E+5	4.8E+5	ID	4.8E+5	1.0E+9 (D)	7.8E+8	2.9E+9	ND	ND	ND	1,300	ND
Total Metals Analysis (ug/Kg)																					
Arsenic	7440382	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,800	4,600	4,600	70,000 (X)	2.0E+6	NLV	NLV	9.1E+5	8,700	3,000	2,800	12,000	3,600
Barium (B)	7440393	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7	1.3E+6	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	52,000	37,000	72,000	630,000	37,000
Cadmium (B)	7440439	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5	6,000	6,000	(G,X)	2.3E+8	NLV	NLV	2.2E+6	210	170	210	1,000	ND
Chromium (total) (B,H)	16065831	18,000 (total)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	7.9E+8	1.0E+9 (D)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	18,000	15,000	9,900	36,000	8,800
Copper (B)	7440508	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7	5.8E+6	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	5.9E+7	19,000	14,000	35,000	170,000	3,600
Lead (B)	7439921	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5	7.0E+5	7.0E+5	(G,X)	ID	NLV	NLV	4.4E+7	13,000	12,000	53,000	140,000	4,200
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 12	47,000	48,000	52,000	2.0E+7	1.6E+5	1,700	1,700	50 (M); 12	47,000	89,000	62,000	8.8E+6	ND	ND	570	1,500	ND
Selenium (B)	7782492	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6	4,000	4,000	400	7.8E+7	NLV	NLV	5.9E+7	230	260	410	500	ND
Silver (B)	7440324	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6	4,500	13,000	100 (M); 27	2.0E+8	NLV	NLV	2.9E+6	ND	ND	110	140	ND
Zinc (B)	7440666	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8	2.4E+6	5.0E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	55,000	54,000	62,000	320,000	7,700
Polychlorinated biphenyls (PCBs) (I,T)																					
Polychlorinated biphenyls (PCBs) (I,T)	1336363	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NLL	NLL	NLL	NLL	1.6E+7	8.1E+5	6.5E+6	NA	NA	NA	NA	NA

Notes:

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

C - Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}.

D - Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppt.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection.

M - Calculated criterion is below the analyticals target detection limit; therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

X - The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

ID - Insufficient data to develop criterion.

NA - Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

NLL - Hazardous substance is not likely to leach under most soil conditions.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

ug/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 1
Summary of Soil Analytical Results
Atwater Lifts
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Statewide Default Background Levels	Groundwater Protection			Indoor Air		Ambient Air (Y)			Direct Contact		Groundwater Protection				Indoor Air		Ambient Air (Y)			B-23 (6-8 feet) 12.7.06	B-24 (5-7 feet) 12.7.06	B-25 (4-6 feet) 12.7.06	B-25 (10-12 feet) 12.7.06	B-26 (6-8 feet) 12.7.06
			Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria & RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria & RBSLs	Residential and Commercial I Direct Contact Criteria & RBSLs	Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Industrial and Commercial Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Particulate Soil Inhalation Criteria & RBSLs										
Analytes	CAS#																									
Volatile Organic Compounds (VOCs) (ug/Kg)																										
Benzene (I)	71432	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5	100	100	4,000 (X)	2.2E+5	8,400	45,000	4.7E+8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	104518	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6	1,600	4,600	ID	1.2E+5	ID	ID	ID	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
iso-Butylbenzene	135988	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6	1,600	4,600	ID	88,000	ID	ID	ID	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)	1,500	1,500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+6	1.3E+10	ND	ND	77	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6	1,600	4,600	NA	3.0E+5	ID	ID	5.9E+8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)	16,000	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	3.3E+6	1.2E+10	ND	ND	230	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127184	NA	100	900 (X)	88,000 (C)	11,000	1.8E+5	5.4E+9	88,000 (C)	100	100	900 (X)	88,000 (C)	60,000	6.0E+5	6.8E+9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79016	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.8E+9	5.0E+5 (C,DD)	100	100	4,000 (X)	4.4E+5	37,000	2.6E+5	2.3E+9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)	2,100	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.5E+7	3.6E+10	ND	ND	200	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)	1,800	1,800	1,100	94,000 (C)	94,000 (C)	1.9E+7	3.6E+10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I)	1330207	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)	5,600	5,600	700	1.5E+5 (C)	1.5E+5 (C)	5.4E+7	1.3E+11	ND	ND	590	ND	ND	ND	ND	ND	ND	ND
Remaining VOCs	Varies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																										
Acenaphthene	83329	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7	3.0E+5	8.8E+5	4,400	9.7E+5	3.5E+8	9.7E+7	6.2E+9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	208968	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6	5,900	17,000	ID	4.4E+5	3.0E+6	2.7E+6	1.0E+9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	120127	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8	41,000	41,000	ID	41,000	1.0E+9 (D)	1.6E+9	2.9E+10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene (Q)	50328	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000	NLL	NLL	NLL	NLL	NLV	NLV	1.9E+6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	NLL	ID	ID	ID	20,000	NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6	NLL	NLL	NLL	NLL	NLV	NLV	3.5E+8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene (Q)	218019	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6	NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene (Q)	53703	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	206440	NA	7.3E+5	5,300	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	7.3E+5	7.3E+5	5,300	7.3E+5	1.0E+9 (D)	8.9E+8	4.1E+9	ND	ND	ND	ND	ND	ND	ND	ND	ND	360
Fluorene	86737	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7	3.9E+5	8.9E+5	5,300	8.9E+5	1.0E+9 (D)	1.5E+8	4.1E+9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6	57,000	1.7E+5	ID	5.5E+6	ID	ID	ID	ND	ND	620	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	85018	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6	56,000	1.6E+5	5,300	1.1E+6	5.1E+6	1.9E+5	2.9E+6	770	ND	ND	440	ND	ND	ND	ND	ND	ND
Pyrene	129000	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	4.8E+5	4.8E+5	ID	4.8E+5	1.0E+9 (D)	7.8E+8	2.9E+9	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals Analysis (ug/Kg)																										
Arsenic	7440382	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600	4,600	4,600	70,000 (X)	2.0E+6	NLV	NLV	9.1E+5	6,600	1,300	9,400	7,100	9,900					
Barium (B)	7440393	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7	1.3E+6	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	96,000	9,300	85,000	54,000	130,000					
Cadmium (B)	7440439	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5	6,000	6,000	(G,X)	2.3E+8	NLV	NLV	2.2E+6	420	62	170	210	290					
Chromium (total) (B,H)	16065831	18,000 (total)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	7.9E+8	1.0E+9 (D)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	15,000	4,900	17,000	16,000	14,000					
Copper (B)	7440508	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7	5.8E+6	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	5.9E+7	69,000	3,300	52,000	19,000	37,000					
Lead (B)	7439921	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5	7.0E+5	7.0E+5	(G,X)	ID	NLV	NLV	4.4E+7	55,000	3,700	94,000	15,000	58,000					
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5	1,700	1,700	50 (M); 1.2	47,000	89,000	62,000	8.8E+6	390	ND	740	ND	ND					
Selenium (B)	7782492	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6	4,000	4,000	400	7.8E+7	NLV	NLV	5.9E+7	720	ND	590	390	600					
Silver (B)	7440224	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6	4,500	13,000	100 (M); 27	2.0E+8	NLV	NLV	2.9E+6	ND	ND	ND	ND	ND					
Zinc (B)	7440666	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8	2.4E+6	5.0E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	100,000	13,000	58,000	46,000	98,000					
Polychlorinated biphenyls (PCBs) (I,T)																										
Polychlorinated biphenyls (PCBs) (I,T)	1336363	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NLL	NLL	NLL	NLL	1.6E+7	8.1E+5	6.5E+6	NA	NA	ND	NA	NA					

Notes:

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

C - Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Cst) since the calculated risk-based criterion is greater than Cst.

D - Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection.

M - Calculated criterion is below the analytical target detection limit; therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

X - The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

ID - Insufficient data to develop criterion.

NA - Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

NLL - Hazardous substance is not likely to leach under most soil conditions.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

ug/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 1
Summary of Soil Analytical Results
Atwater Lofts
Atwater Street
Detroit, Michigan
AIRT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Statewide Default Background Levels	Groundwater Protection			Indoor Air	Ambient Air (Y)		Direct Contact	Groundwater Protection				Indoor Air	Ambient Air (Y)		B-27 (3-5 feet) 12.7.06	B-28 (0-0.5 feet) 12.7.06	B-28 (2-4 feet) 12.7.06	B-30 (4-6 feet) 12.7.06	B-32 (1-3 feet) 12.7.06	
			Residential and Commercial I Drinking Water Protection Criteria & RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria & RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria & RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria & RBSLs	Residential and Commercial I Direct Contact Criteria & RBSLs	Residential Drinking Water Protection Criteria & RBSLs	Industrial and Commercial Drinking Water Protection Criteria & RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	Particulate Soil Inhalation Criteria & RBSLs						
Analytes	CAS#																					
Volatile Organic Compounds (VOCs) (ug/Kg)																						
Benzene (I)	71432	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5		100	100	4,000 (X)	2.2E+5	8,400	45,000	4.7E+8	ND	ND	ND	ND	ND
n-Butylbenzene	104518	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6		1,600	4,600	ID	1.2E+5	ID	ID	ID	ND	ND	ND	ND	ND
sec-Butylbenzene	135988	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6		1,600	4,600	ID	88,000	ID	ID	ID	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)		1,500	1,500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+6	1.3E+10	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6		1,600	4,600	NA	3.0E+5	ID	ID	5.9E+8	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)		16,000	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	3.3E+6	1.2E+10	ND	ND	ND	69	68
Tetrachloroethylene	127184	NA	100	900 (X)	88,000 (C)	11,000	1.8E+5	5.4E+9	88,000 (C)		100	100	900 (X)	88,000 (C)	60,000	6.0E+5	6.8E+9	ND	ND	ND	ND	ND
Trichloroethylene	79016	NA	100	4,000 (X)	4.4E+5	7,100	78,000	1.8E+9	5.0E+5 (C,DD)		100	100	4,000 (X)	4.4E+5	37,000	2.6E+5	2.3E+9	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)		2,100	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.5E+7	3.6E+10	ND	ND	ND	ND	120
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)		1,800	1,800	1,100	94,000 (C)	94,000 (C)	1.9E+7	3.6E+10	ND	ND	ND	ND	ND
Xylenes (I)	1330207	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)		5,600	5,600	700	1.5E+5 (C)	1.5E+5 (C)	5.4E+7	1.3E+11	ND	ND	ND	ND	290
Remaining VOCs	Varies	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	ND	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																						
Acenaphthene	83329	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7		3.0E+5	8.8E+5	4,400	9.7E+5	3.5E+8	9.7E+7	6.2E+9	ND	ND	ND	ND	ND
Acenaphthylene	208968	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6		5,900	17,000	ID	4.4E+5	3.0E+6	2.7E+6	1.0E+9	ND	ND	ND	ND	ND
Anthracene	120127	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8		41,000	41,000	ID	41,000	1.0E+9 (D)	1.6E+9	2.9E+10	ND	ND	ND	ND	ND
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND
Benzo(a)pyrene (Q)	50328	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000		NLL	NLL	NLL	NLL	NLV	NLV	1.9E+6	ND	ND	ND	ND	ND
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	NLL	ID	ID	ID	20,000		NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6		NLL	NLL	NLL	NLL	NLV	NLV	3.5E+8	ND	ND	ND	ND	ND
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND
Chrysene (Q)	218019	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6		NLL	NLL	NLL	NLL	ID	ID	ID	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene (Q)	53703	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND
Fluoranthene	206440	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7		7.3E+5	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	8.9E+8	4.1E+9	ND	510	ND	ND	ND
Fluorene	86737	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7		3.9E+5	8.9E+5	5,300	8.9E+5	1.0E+9 (D)	1.5E+8	4.1E+9	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		NLL	NLL	NLL	NLL	NLV	NLV	ID	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6		57,000	1.7E+5	ID	5.5E+6	ID	ID	ID	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		35,000	1.0E+5	870	2.1E+6	4.7E+5	3.5E+5	8.8E+7	ND	ND	ND	ND	ND
Phenanthrene	85018	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6		56,000	1.6E+5	5,300	1.1E+6	5.1E+6	1.9E+5	2.9E+6	ND	ND	ND	ND	ND
Pyrene	129000	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7		4.8E+5	4.8E+5	ID	4.8E+5	1.0E+9 (D)	7.8E+8	2.9E+9	ND	ND	ND	ND	ND
Total Metals Analysis (ug/Kg)																						
Arsenic	7440382	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600		4,600	4,600	70,000 (X)	2.0E+6	NLV	NLV	9.1E+5	10,000	4,700	4,900	7,500	8,700
Barium (B)	7440393	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7		1.3E+6	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	1.50E+08	120,000	69,000	98,000	82,000	53,000
Cadmium (B)	7440439	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5		6,000	6,000	(G,X)	2.3E+8	NLV	NLV	2.2E+6	340	420	760	190	280
Chromium (total) (B,H)	16065831	18,000 (total)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	7.9E+8		1.0E+9 (D)	1.0E+9 (D)	(G,X)	1.0E+9 (D)	NLV	NLV	1.5E+8	9,700	12,000	15,000	11,000	13,000
Copper (B)	7440508	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7		5.8E+6	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	5.9E+7	74,000	17,000	24,000	15,000	14,000
Lead (B)	7439921	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5		7.0E+5	7.0E+5	(G,X)	ID	NLV	NLV	4.4E+7	180,000	63,000	100,000	13,000	33,000
Mercury (Total) (B,Z)	Varies	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5		1,700	1,700	50 (M); 1.2	47,000	89,000	62,000	8.8E+6	360	ND	480	ND	ND
Selenium (B)	7782492	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6		4,000	4,000	400	7.8E+7	NLV	NLV	5.9E+7	540	350	410	ND	250
Silver (B)	7440224	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6		4,500	13,000	100 (M); 27	2.0E+8	NLV	NLV	2.9E+6	ND	ND	ND	ND	ND
Zinc (B)	7440666	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8		2.4E+6	5.0E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	200,000	88,000	160,000	41,000	54,000
Polychlorinated biphenyls (PCBs) (J,T)																						
Polychlorinated biphenyls (PCBs) (J,T)	1336363	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)		NLL	NLL	NLL	NLL	1.6E+7	8.1E+5	6.5E+6	ND	NA	NA	ND	ND

Notes:

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

C - Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}.

D - Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0E+9 ppb.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 361.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

X - The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

ID - Insufficient data to develop criterion.

NA - Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

NLL - Hazardous substance is not likely to leach under most soil conditions.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

µg/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 2
Summary of Groundwater Analytical Results
Atwater Lofts
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Residential & Commercial I Drinking Water Criteria & RBSLs	Industrial & Commercial II, III & IV Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	B-19W 12/7/2006	B-20W 12/7/2006	B-21W 12/7/2006	B-23W 12/7/2006	B-24W 12/7/2006
Analytes	CAS#											
Volatile Organic Compounds (VOCs) (ug/L)												
sec-Butylbenzene	135988	80	230	ID	ID	ID	4,400	ND	ND	ND	ND	ND
tert-Butylbenzene (I)	98066	80	230	ID	ID	ID	8,900	ND	ND	ND	ND	ND
Isopropyl benzene	98828	800	2,300	ID	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	ND	ND	ND
Toluene (I)	108883	790 (E)	790 (E)	140	5.3E+5 (S)	5.3E+5 (S)	5.3E+5 (S)	ND	ND	1.8	ND	ND
1,2,4-Trimethylbenzene (I)	95636	63 (E)	63 (E)	17	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	1.3	ND	ND
1,3,5-Trimethylbenzene (I)	108678	72 (E)	72 (E)	45	61,000 (S)	61,000 (S)	61,000 (S)	ND	ND	ND	ND	ND
Remaining VOCs	Varies	-	-	-	-	-	-	ND	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/L)												
PNAs	Varies	-	-	-	-	-	-	ND	ND	ND	ND	ND
Total Metals Analysis (ug/L)												
Cadmium (B)	7440439	5.0 (A)	5.0 (A)	(G,X)	NLV	NLV	1.9E+5	NA	NA	NA	NA	NA
Chromium (III) (B,H)	16065831	100 (A)	100 (A)	(G,X)	NLV	NLV	2.9E+8	NA	NA	NA	NA	NA
Lead (B)	7439921	4.0 (L)	4.0 (L)	(G,X)	NLV	NLV	ID	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (ug/L)		-	-	-	-	-	-	NA	NA	NA	NA	NA

Notes:

A - Criterion is the state of Michigan drinking water standard established pursuant to section 5 of 1976 PA 399, MCL 325.1005.

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection at the Lansing office of the department, 525 West Allegan Street, Lansing, Michigan.

L - Criteria for lead are derived using a biologically based model, as allowed for under section 20120a(10) of the act, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

S - Criterion defaults to the hazardous substance-specific water solubility limit.

Z - Mercury is typically measured as total mercury.

AA - Comparison to these criteria may take into account an evaluation of whether the hazardous substances are absorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

ID - Insufficient data to develop criterion.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

mg/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

Table 2
Summary of Groundwater Analytical Results
Atwater Lofts
Atwater Street
Detroit, Michigan
AKT Peerless Project Number
5133D2-7-20

Sample Identification and Date		Residential & Commercial I Drinking Water Criteria & RBSLs	Industrial & Commercial II, III & IV Drinking Water Criteria & RBSLs	Groundwater Surface Water Interface Criteria & RBSLs	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	Groundwater Contact Criteria & RBSLs	B-27W 12/7/2006	B-28W 12/7/2006	B-30W 12/7/2006	B-31W 12/7/2006
Analytes	CAS#										
Volatile Organic Compounds (VOCs) (ug/L)											
sec-Butylbenzene	135988	80	230	ID	ID	ID	4,400	ND	ND	ND	ND
tert-Butylbenzene (I)	98066	80	230	ID	ID	ID	8,900	ND	ND	ND	ND
Isopropyl benzene	98828	800	2,300	ID	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	ND	ND
Toluene (I)	108883	790 (E)	790 (E)	140	5.3E+5 (S)	5.3E+5 (S)	5.3E+5 (S)	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	63 (E)	63 (E)	17	56,000 (S)	56,000 (S)	56,000 (S)	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	72 (E)	72 (E)	45	61,000 (S)	61,000 (S)	61,000 (S)	ND	ND	ND	ND
Remaining VOCs	Varies	-	-	-	-	-	-	ND	ND	ND	ND
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/L)											
PNAs	Varies	-	-	-	-	-	-	ND	ND	ND	ND
Total Metals Analysis (ug/L)											
Cadmium (B)	7440439	5.0 (A)	5.0 (A)	(G,X)	NLV	NLV	1.9E+5	NA	NA	NA	NA
Chromium (III) (B,H)	16065831	100 (A)	100 (A)	(G,X)	NLV	NLV	2.9E+8	NA	NA	NA	NA
Lead (B)	7439921	4.0 (L)	4.0 (L)	(G,X)	NLV	NLV	ID	NA	NA	NA	NA
Polychlorinated Biphenyls (ug/L)											
		-	-	-	-	-	-	ND	NA	NA	ND

Notes:

A - Criterion is the state of Michigan drinking water standard established pursuant to section 5 of 1976 PA 399, MCL 325.1005.

B - Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.

G - Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

H - Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

I - Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. Section 261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and which is available for inspection at the Lansing office of the department, 525 West Allegan Street, Lansing, Michigan.

L - Criteria for lead are derived using a biologically based model, as allowed for under section 20120a(10) of the act, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.

M - Calculated criterion is below the analyticals target detection limit, therefore, the criterion defaults to the target detection limit.

Q - Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

S - Criterion defaults to the hazardous substance-specific water solubility limit.

Z - Mercury is typically measured as total mercury.

AA - Comparison to these criteria may take into account an evaluation of whether the hazardous substances are absorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

ID - Insufficient data to develop criterion.

NLV - Hazardous substance is not likely to volatilize under most conditions.

ND - Non-detect

mg/Kg - micrograms per Kilogram

bold - Parameter exceeds indicated criterion

APPENDIX A
SOIL BORING LOGS

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Phone: (313) 962-9353 Fax: (313) 962-0966

BORING LOG

ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-19

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY: FIBERTEC

WEATHER:	20 F CLOUDY SNOWING
----------	---------------------

TECHNICIAN: ANDY

BORING DEPTH: 20 FEET BGS

DATE DRILLED: 12.7.06

DEPTH TO GW: 10 FEET BGS

DRILLING METHOD: GEOPROBE

SCREEN INTERVAL: 7.5-12.5 FEET BGS

FIELD GEOLOGIST: MEGAN BAHORSKI

SCREEN MATERIAL: 1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0		Brown	FILL: sand, gravel	D	<p>PVC RISER</p> <p>PVC SCREEN</p>
2			0				D	
			0					
4			0		Black	FILL: sand, gravel		
			0	CL	Black	CLAY: gravel, sand, medium stiff	D	
6			0					
			0	CL	Brown	CLAY: gravel, sand, medium stiff	D	
8			0					
			0	CL	Brown/ Green	CLAY: mottled, medium stiff	D	
10			0.1				M ▽ =	
			0				S	
12			0	CL	Brown	CLAY: stiff	D	
			0			1 inch sand layer		
14			0	CL	Brown	CLAY: soft	D	
16			0					
18			0					
20			0				S	
						End of boring at 20 feet bgs		

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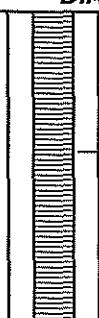
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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-20

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	FRED	BORING DEPTH:	20 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	3 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	0-5 FEET BGS
FIELD GEOLOGIST:	JANET MICHALUK	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			1.5		Brown	FILL: clay, masonry debris, gravel	D	 <p>PVC SCREEN</p>
2		30	1.5				M	
			1.4				Δ	
4			1.4				S	
			2				M	
6		100	2.1				D	
			1.9				D	
8			2.2	CL	Greenish/Grey Brown	CLAY: mottled, stiff potential staining 7-9 feet bgs	D	
			1.8				D	
10		100	1.7				D	
			1.7	ML	Brown	SILT	D	
12			1.8				D	
			1.6				D	
14		100	1.6				D	
			1.7	CL	Grey	CLAY: soft	D	
16			1.5				D	
			1.4				D	
18		100	1.5				D	
			1.7				D	
20			1.6					
						End of borin at 20 feet bgs		

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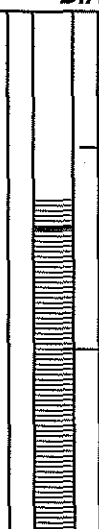
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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-21

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	ANDY	BORING DEPTH:	10 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	6 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	3-8.5 FEET BGS
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			1.9		Brown	FILL: sand, gravel	D	 <p>PVC RISER</p> <p>PVC SCREEN</p>
2		100	1.9				D	
			1.9	CL	Brown	CLAY: sand, gravel, medium stiff	D	
4			1.9			1 inch sand seam	D	
			1.9				M	
6			1.9	CL	Black	CLAY: sand, gravel, medium stiff	V	
			1.9				S	
8		100	1.9	CL	Dark Brown	CLAY: sand, medium stiff	M	
			1.9				D	
10			1.9	CL	Grey/ Green	CLAY: soft	D	
						End of boring at 10 feet bgs		
12								
14								
16								
18								
20								

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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-22

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	ANDY	BORING DEPTH:	7 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	NA
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			1.8		Brown	FILL: clay, gravel, cobbles	D	
2		100	1.8				D	
			1.8					
4			1.8		Brown	FILL: clay, masonry debris	D	
			1.8				D	
6		15	2					
			2				D	
8						Refusal at 7 feet bgs		
10								
12								
14								
16								
18								
20								



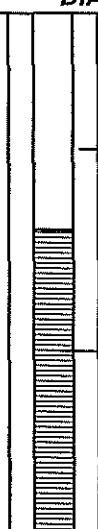
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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-23

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	ANDY	BORING DEPTH:	10 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	6 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	3.5-8.5 FEET BGS
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0	CL	Brown	CLAY: sand, gravel, mottled, medium stiff	D	 <p>PVC RISER</p> <p>PVC SCREEN</p>
2			0				D	
			0				D	
4			0				D	
			0	CL	Black	CLAY: sand, gravel, mottled, medium stiff	M	
6			0				V	
			0	CL	Black	CLAY: soft, potential staining and odor 6-8 feet bgs	S	
8			0				M	
			0	CL	Grey/ Green	CLAY: soft	D	
10			0			End of boring at 10 feet bgs	D	
12								
14						Sample B-23 (6-8) is the sample duplicate		
16								
18								
20								

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BORING LOG

ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-24

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	FRED	BORING DEPTH:	12 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	7 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	3.5-8.5 FEET BGS
FIELD GEOLOGIST:	JANET MICHALUK	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			2.1		Brown	FILL: clay, sand, masonry debris	D	<p>PVC RISER</p> <p>PVC SCREEN</p>
2		80	2				D	
			2	SW	Brown	FILL: sand (fine to medium grained)	D	
4			2.1				D	
			1.9				M	
6		60	1.9					
			2				▽	
8			2				S	
			1.9				M	
10		80	1.9				D	
			1.9				D	
12			1.9					
14						End of boring at 12 feet bgs		
16								
18								
20								

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BORING LOG

ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-25

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	ANDY	BORING DEPTH:	15 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	12 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	10-15 FEET BGS
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0		Brown	FILL: clay, sand	D	<p>PVC RISER</p> <p>PVC SCREEN</p> <p>Did not produce sufficient water to sample</p>
2		100	0		Black	FILL: sand, gravel potential staining	D	
4			0			potential staining 3-4.5 feet bgs	D	
6			0	SM	Brown	SAND: silt, potential staining 4.5-6	D	
8		100	0	CL	Grey	CLAY: sand, gravel, soft	D	
10			0				D	
12		100	0				M	
14			0				S	
16			0			End of boring at 15 feet bgs	D	
18								
20								

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BORING LOG

ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-26

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY: FIBERTEC

TECHNICIAN: FRED

DATE DRILLED: 12.7.06

DRILLING METHOD: GEOPROBE

FIELD GEOLOGIST: JANET MICHALUK

WEATHER:	20 F CLOUDY SNOWING
----------	---------------------

BORING DEPTH: 12 FEET BGS

DEPTH TO GW: 8 FEET BGS

SCREEN INTERVAL: 6.5-11.5 FEET BGS

SCREEN MATERIAL: 1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0		Brown	FILL: clay, sand, gravel, masonry debris	D	<p>PVC RISER</p> <p>PVC SCREEN</p>
2		90	0				D	
4			0				D	
6		100	0				D	
8			0	CL	Grey	CLAY: medium stiff, potential staining 7-8 feet bgs	M V =	
10		100	0				S	
12			0			End of boring at 12 feet bgs	M D	
14								
16								
18								
20								

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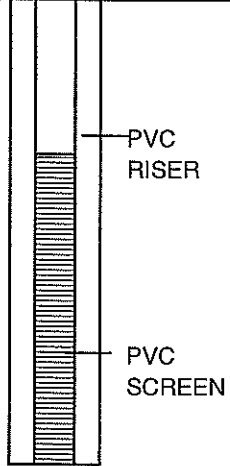
BORING LOG

ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-27

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	ANDY	BORING DEPTH:	9 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	4 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	2.5-7.5 FEET BGS
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
2					Brown	FILL: clay (medium stiff, brittle)	D	
4					Brown	FILL: sand (fine grained), masonry debris	M	
6				CL	Black	CLAY: medium stiff, potential staining	M	
8							D	
10						End of boring at 9 feet bgs	D	
12								
14								
16								
18								
20								

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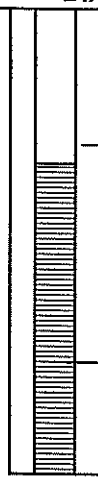
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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-28

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	FRED	BORING DEPTH:	12 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	4 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	2.5-7.5 FEET BGS
FIELD GEOLOGIST:	JANET MICHALUK	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0		Brown	FILL: cement, sand, clay, wood, masonry debris	D	 <p>PVC RISER</p> <p>PVC SCREEN</p>
2		70	0				D	
			0				M	
4			0				V	
			0				S	
6		50	0	CL	Grey	CLAY: soft	M	
			0				D	
8			0				D	
			0					
10		50	0				D	
			0					
12			0			End of boring at 12 feet bgs		
14								
16								
18								
20								

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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-29

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	ANDY	BORING DEPTH:	2 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	NA
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
		25	0		Brown	FILL: cobbles, sand, clay	D	
2			0			Refusal at 2 feet bgs		
4						Boring attempted 3 times.		
6								
8								
10								
12								
14								
16								
18								
20								

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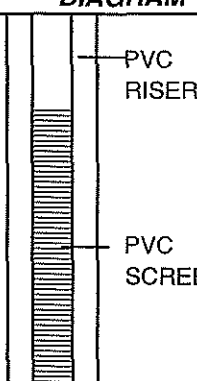
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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-30

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	FRED	BORING DEPTH:	6 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	5 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	2-6 FEET BGS
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
2		100	0		Brown	FILL: clay, sand, gravel, masonry debris, cobbles	D	
4			0		Black	FILL: clay, sand, gravel, masonry debris, cobbles	D	
6		20	0	CL	Brown/Black	CLAY: gravel, stiff, potential staining	M =	
8						Refusal at 6 feet bgs	S	
10						Boring attempted 3 times		
12								
14								
16								
18								
20								

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BORING LOG
ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-31

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F CLOUDY SNOWING
TECHNICIAN:	FRED	BORING DEPTH:	8 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	7 FEET BGS
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	3-8 FEET BGS
FIELD GEOLOGIST:	JANET MICHALUK	SCREEN MATERIAL:	1 INCH PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0		Brown	FILL: clay, sand, masonry debris, gravel, cobbles	D	 <p>PVC RISER</p> <p>PVC SCREEN</p>
2		70	0				D	
			0				D	
4			0				D	
			0					
6		70	0				M	
			0				Δ	
8			0				S	
						Refusal at 8 feet bgs		
10								
12								
14								
16								
18								
20								



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BORING LOG

ATWATER LOFTS
EAST ATWATER STREET
DETROIT, MICHIGAN
PROJECT NUMBER: 5133D

B-32

Drawn By: Janet Michaluk
Date: 12.26.06

DRILLING COMPANY:	FIBERTEC	WEATHER:	20 F SUNNY
TECHNICIAN:	ANDY	BORING DEPTH:	3 FEET BGS
DATE DRILLED:	12.7.06	DEPTH TO GW:	NA
DRILLING METHOD:	GEOPROBE	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	MEGAN BAHORSKI	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	TEMPORARY WELL DIAGRAM
			0		Brown	FILL: clay, sand, masonry debris	D
2			0				D
			0				
4						Refusal at 3 feet bgs	
						Boring was attempted 3 times	
6							
8							
10							
12							
14							
16							
18							
20							

APPENDIX B
LABORATORY ANALYTICAL REPORT

Thursday, December 14, 2006

Fibertec Project Number: 20982
Project Identification: Atwater/5133d-6-20
Submittal Date: 12/7/2006

Ms. Megan Bahorski
AKT Peerless Environ. Svcs, Inc. - Detroit
607 Shelby Street
Suite 550
Detroit, MI 48226

Dear Ms. Bahorski,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed as requested and the results compiled in the enclosed report.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345. Please note samples will be disposed of 30 days after reporting date.

Sincerely,



Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-003

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-19 (18-20)
Project Number:	5133d-6-20	Client Sample Number:	3
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	ND	µg/kg	1000	1	VB06L13A	12/7/2006	12/13/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Iodomethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-003**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-19 (18-20)**

Project Number: **5133d-6-20**

Client Sample Number: **3**

Sample Date: **12/7/2006**

Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
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FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-003**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-19 (18-20)**

Project Number: **5133d-6-20**

Client Sample Number: **3**

Sample Date: **12/7/2006**

Chain of Custody Number: **50371**

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X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L13A	12/7/2006	12/13/2006	BJK
enes	ND	µg/kg	150	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-003A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-19 (18-20)**

Project Number: **5133d-6-20**

Client Sample Number: **3**

Sample Date: **12/7/2006**

Chain of Custody Number: **50371**

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Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	16	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	8700	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	52000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	210	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	18000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	19000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	13000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	230	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	55000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	ND	µg/kg	50	1	42441	12/12/2006	12/12/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNA's) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-003A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-19 (18-20)
Project Number:	5133d-6-20	Client Sample Number:	3
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-001**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-19W**
Project Number: **NA** Client Sample Number: **1**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
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X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-001

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-19W
Project Number:	NA	Client Sample Number:	1
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-001**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-19W**
Project Number: **NA** Client Sample Number: **1**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Vinyl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
enes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-001A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-19W
Project Number:	NA	Client Sample Number:	1
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-005**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-20 (7-9)**

Project Number: **5133d-6-20** Client Sample Number: **5**

Sample Date: **12/7/2006** Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 24.7%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)

Acetone	ND	µg/kg	1000	1	VB06L13A	12/7/2006	12/13/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-005

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-20 (7-9)
Project Number:	5133d-6-20	Client Sample Number:	5
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 24.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-005

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-20 (7-9)
Project Number:	5133d-6-20	Client Sample Number:	5
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 24.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L13A	12/7/2006	12/13/2006	BJK
nes	ND	µg/kg	150	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-005A**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-20 (7-9)**
Project Number: **5133d-6-20** Client Sample Number: **5**
Sample Date: **12/7/2006** Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 24.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	25	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	3000	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	37000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	170	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	15000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	14000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	12000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	260	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	54000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	ND	µg/kg	50	1	42441	12/12/2006	12/12/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-005A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-20 (7-9)
Project Number:	5133d-6-20	Client Sample Number:	5
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 24.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-003**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-20W**
Project Number: **NA** Client Sample Number: **3**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Low surrogate recovery for 4-bromofluorobenzene (89%))								
Acetone	ND	µg/L	50	1	VB06L14B	12/14/2006	12/14/2006	BAG
Acrylonitrile	ND	µg/L	2.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Benzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromochloromethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromodichloromethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromoform	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromomethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
2-Butanone	ND	µg/L	25	1	VB06L14B	12/14/2006	12/14/2006	BAG
n-Butylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
sec-Butylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
tert-Butylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Carbon Disulfide	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Carbon Tetrachloride	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chloroethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chloroform	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chloromethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
o-Chlorotoluene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Dibromochloromethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-003

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-20W
Project Number:	NA	Client Sample Number:	3
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Low surrogate recovery for 4-bromofluorobenzene (89%))								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Dibromomethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2-Dichlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,3-Dichlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,4-Dichlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Dichlorodifluoromethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1-Dichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2-Dichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1-Dichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2-Dichloropropane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Ethylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Ethylene Dibromide	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
2-Hexanone	ND	µg/L	50	1	VB06L14B	12/14/2006	12/14/2006	BAG
Methyl Iodide	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
propylbenzene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
4-Methyl-2-pentanone	ND	µg/L	50	1	VB06L14B	12/14/2006	12/14/2006	BAG

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-003**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-20W**
Project Number: **NA** Client Sample Number: **3**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Low surrogate recovery for 4-bromofluorobenzene (89%))								
Methylene Chloride	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
MTBE	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Naphthalene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
n-Propylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Styrene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Tetrachloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Toluene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,1-Trichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,2-Trichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Trichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Trichlorofluoromethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2,3-Trichloropropane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Vinyl Chloride	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
nes	ND	µg/L	3.0	1	VB06L14B	12/14/2006	12/14/2006	BAG

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-003A**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-20W**
Project Number: **NA** Client Sample Number: **3**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Poly nuclear Aromatic Hydrocarbons (PNA's) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-008

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-21 (3-5)
Project Number:	5133d-6-20	Client Sample Number:	8
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 27.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	ND	µg/kg	1000	1	VB06L13A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L13A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L13A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-008

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-21 (3-5)
Project Number:	5133d-6-20	Client Sample Number:	8
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 27.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L13A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L13A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-008**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-21 (3-5)**
Project Number: **5133d-6-20** Client Sample Number: **8**
Sample Date: **12/7/2006** Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 27.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L13A	12/7/2006	12/12/2006	BJK
nes	ND	µg/kg	150	1	VB06L13A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-008A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-21 (3-5)
Project Number:	5133d-6-20	Client Sample Number:	8
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 27.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	28	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	2800	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	72000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	210	$\mu\text{g/kg}$	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	9900	$\mu\text{g/kg}$	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	35000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	53000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	410	$\mu\text{g/kg}$	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	110	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	62000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	570	$\mu\text{g/kg}$	50	1	42441	12/12/2006	12/12/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	LAN
Acenaphthylene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	LAN
Anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)pyrene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(b)fluoranthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-008A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-21 (3-5)**

Project Number: **5133d-6-20**

Client Sample Number: **8**

Sample Date: **12/7/2006**

Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 27.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**

Fibertec Project Number: **21021** Sample Number: **21021-004**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-21W**

Project Number: **NA** Client Sample Number: **4**

Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-004**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-21W**
Project Number: **NA** Client Sample Number: **4**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-004**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-21W**
Project Number: **NA** Client Sample Number: **4**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	1.8	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	1.3	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Vinyl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
enes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-004A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-21W
Project Number:	NA	Client Sample Number:	4
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-010**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-22 (0-0.5)**
Project Number: **5133d-6-20** Client Sample Number: **10**
Sample Date: **12/7/2006** Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 8.90%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-010**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-22 (0-0.5)**
Project Number: **5133d-6-20** Client Sample Number: **10**
Sample Date: **12/7/2006** Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 8.90%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-010**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-22 (0-0.5)**

Project Number: **5133d-6-20** Client Sample Number: **10**

Sample Date: **12/7/2006** Chain of Custody Number: **50371**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 8.90%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	160	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	170	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
nes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-010A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-22 (0-0.5)
Project Number:	5133d-6-20	Client Sample Number:	10
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 8.90%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	8.9	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	12000	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	630000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/14/2006	JAG
Cadmium	1000	$\mu\text{g/kg}$	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	36000	$\mu\text{g/kg}$	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	170000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	140000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	500	$\mu\text{g/kg}$	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	140	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	320000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	1500	$\mu\text{g/kg}$	50	1	42453	12/13/2006	12/13/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	GAN
Acenaphthylene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	GAN
Anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(a)anthracene	740	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(a)pyrene	650	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(b)fluoranthene	850	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-010A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-22 (0-0.5)
Project Number:	5133d-6-20	Client Sample Number:	10
Sample Date:	12/7/2006	Chain of Custody Number:	50371

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 8.90%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	470	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Chrysene	780	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Fluoranthene	1400	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Indeno(1,2,3-cd)pyrene	490	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Phenanthrene	1200	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Pyrene	1300	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-031**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-22 (5-7)**
Project Number: **5133d-6-20** Client Sample Number: **31**
Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-031**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-22 (5-7)**

Project Number: **5133d-6-20** Client Sample Number: **31**

Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-031

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-22 (5-7)
Project Number:	5133d-6-20	Client Sample Number:	31
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
enes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-031A**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-22 (5-7)**
Project Number: **5133d-6-20** Client Sample Number: **31**
Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	16	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	3600	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	37000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	ND	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	8800	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	3600	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	4200	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	ND	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	7700	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Mercury by CVAAS (EPA 7471A)								
Mercury	ND	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-031A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-22 (5-7)
Project Number:	5133d-6-20	Client Sample Number:	31
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-033

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-23 (6-8)
Project Number:	5133d-6-20	Client Sample Number:	33
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	180	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	100	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-033**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-23 (6-8)**
Project Number: **5133d-6-20** Client Sample Number: **33**
Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-033

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-23 (6-8)
Project Number:	5133d-6-20	Client Sample Number:	33
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	130	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
mes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-033A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-23 (6-8)
Project Number:	5133d-6-20	Client Sample Number:	33
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	22	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	6600	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	96000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	420	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	15000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	69000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	55000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	720	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	100000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	390	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAHs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-033A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-23 (6-8)
Project Number:	5133d-6-20	Client Sample Number:	33
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Phenanthrene	770	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN
Pyrene	400	µg/kg	330	1	42416	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-005**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-23W**
Project Number: **NA** Client Sample Number: **5**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6; Low surrogate recovery for 4-bromofluorobenzene (89%))								
Acetone	ND	µg/L	50	1	VB06L14B	12/14/2006	12/14/2006	BAG
Acrylonitrile	ND	µg/L	2.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Benzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromochloromethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromodichloromethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromoform	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Bromomethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
2-Butanone	ND	µg/L	25	1	VB06L14B	12/14/2006	12/14/2006	BAG
n-Butylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
sec-Butylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
tert-Butylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Carbon Disulfide	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Carbon Tetrachloride	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chloroethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chloroform	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chloromethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Chlorotoluene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Dibromochloromethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-005

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-23W
Project Number:	NA	Client Sample Number:	5
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6; Low surrogate recovery for 4-bromofluorobenzene (89%))								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Dibromomethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2-Dichlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,3-Dichlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,4-Dichlorobenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Dichlorodifluoromethane	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1-Dichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2-Dichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1-Dichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2-Dichloropropane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Ethylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Ethylene Dibromide	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
2-Hexanone	ND	µg/L	50	1	VB06L14B	12/14/2006	12/14/2006	BAG
Methyl Iodide	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
propylbenzene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
4-Methyl-2-pentanone	ND	µg/L	50	1	VB06L14B	12/14/2006	12/14/2006	BAG

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-005

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-23W
Project Number:	NA	Client Sample Number:	5
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6; Low surrogate recovery for 4-bromofluorobenzene (89%))								
Methylene Chloride	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
MTBE	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Naphthalene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
n-Propylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Styrene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Tetrachloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Toluene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,1-Trichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,1,2-Trichloroethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Trichloroethene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Trichlorofluoromethane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2,3-Trichloropropane	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
Vinyl Chloride	ND	µg/L	1.0	1	VB06L14B	12/14/2006	12/14/2006	BAG
enes	ND	µg/L	3.0	1	VB06L14B	12/14/2006	12/14/2006	BAG

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-005A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-23W
Project Number:	NA	Client Sample Number:	5
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-036

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-24 (5-7)
Project Number:	5133d-6-20	Client Sample Number:	36
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-036**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-24 (5-7)**

Project Number: **5133d-6-20** Client Sample Number: **36**

Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.5%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-036**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-24 (5-7)**
Project Number: **5133d-6-20** Client Sample Number: **36**
Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
enes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-036A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-24 (5-7)**

Project Number: **5133d-6-20**

Client Sample Number: **36**

Sample Date: **12/7/2006**

Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	16	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	1300	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	9300	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	62	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	4900	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	3300	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	3700	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	ND	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	13000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	ND	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNA's) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
zo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-036A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-24 (5-7)
Project Number:	5133d-6-20	Client Sample Number:	36
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**

Fibertec Project Number: **21021** Sample Number: **21021-006**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-24W**

Project Number: **NA** Client Sample Number: **6**

Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-006**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-24W**
Project Number: **NA** Client Sample Number: **6**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-006

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-24W
Project Number:	NA	Client Sample Number:	6
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions: ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
yl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
enes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-006A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-24W
Project Number:	NA	Client Sample Number:	6
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions: ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-038

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-25 (4-6)
Project Number:	5133d-6-20	Client Sample Number:	38
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 23.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	ND	µg/kg	1000	1	VB06L13A	12/7/2006	12/13/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-038

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-25 (4-6)
Project Number:	5133d-6-20	Client Sample Number:	38
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 23.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylbenzene	77	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK
Thyl Iodide	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Propylbenzene	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-038

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-25 (4-6)
Project Number:	5133d-6-20	Client Sample Number:	38
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 23.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Toluene	250	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trimethylbenzene	200	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L13A	12/7/2006	12/13/2006	BJK
xylenes	590	µg/kg	150	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-038A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-25 (4-6)**

Project Number: **5133d-6-20**

Client Sample Number: **38**

Sample Date: **12/7/2006**

Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 23.7%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**

FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;

E = Estimated value; J = Analyte positively identified - estimated value

X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)

Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	24	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	9400	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	85000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	170	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	17000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	52000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	94000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	590	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	58000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	740	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
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Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)

Aroclor-1016	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1221	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1232	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1242	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1248	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1254	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-038A**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-25 (4-6)**
Project Number: **5133d-6-20** Client Sample Number: **38**
Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 23.7%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1260	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1262	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1268	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
2-Methylnaphthalene	620	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Acenanthrene	440	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-039**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-25 (10-12)**

Project Number: **5133d-6-20**

Client Sample Number: **39**

Sample Date: **12/7/2006**

Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	ND	µg/kg	1000	1	VB06L13A	12/7/2006	12/13/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
p-Chlorotoluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-039

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-25 (10-12)
Project Number:	5133d-6-20	Client Sample Number:	39
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($>4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L13A	12/7/2006	12/13/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-039**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-25 (10-12)**
Project Number: **5133d-6-20** Client Sample Number: **39**
Sample Date: **12/7/2006** Chain of Custody Number: **50370**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L13A	12/7/2006	12/13/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L13A	12/7/2006	12/13/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L13A	12/7/2006	12/13/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L13A	12/7/2006	12/13/2006	BJK
Alkenes	ND	µg/kg	150	1	VB06L13A	12/7/2006	12/13/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-039A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-25 (10-12)
Project Number:	5133d-6-20	Client Sample Number:	39
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	18	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	7100	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	54000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	210	$\mu\text{g/kg}$	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	16000	$\mu\text{g/kg}$	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	19000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	15000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	390	$\mu\text{g/kg}$	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	46000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Mercury by CVAAS (EPA 7471A)								
Mercury	ND	$\mu\text{g/kg}$	50	1	42453	12/13/2006	12/13/2006	PAM
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	LAN
Acenaphthylene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	LAN
Anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(a)anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(a)pyrene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(b)fluoranthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/13/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-039A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-25 (10-12)
Project Number:	5133d-6-20	Client Sample Number:	39
Sample Date:	12/7/2006	Chain of Custody Number:	50370

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/13/2006	LAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-021

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-26 (6-8)
Project Number:	5133d-6-20	Client Sample Number:	21
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 19.3%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-021**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-26 (6-8)**

Project Number: **5133d-6-20** Client Sample Number: **21**

Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 19.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-021**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-26 (6-8)**
Project Number: **5133d-6-20** Client Sample Number: **21**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 19.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
nes	220	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-021A**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-26 (6-8)**
Project Number: **5133d-6-20** Client Sample Number: **21**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 19.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	19	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	9900	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	130000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	290	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	14000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	37000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	58000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	600	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	98000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	ND	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-021A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-26 (6-8)
Project Number:	5133d-6-20	Client Sample Number:	21
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 19.3%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluoranthene	360	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-024**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-27 (3-5)**
Project Number: **5133d-6-20** Client Sample Number: **24**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 20.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-024**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-27 (3-5)**
Project Number: **5133d-6-20** Client Sample Number: **24**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 20.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-024**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-27 (3-5)**
Project Number: **5133d-6-20** Client Sample Number: **24**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 20.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
enes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-024A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-27 (3-5)**

Project Number: **5133d-6-20**

Client Sample Number: **24**

Sample Date: **12/7/2006**

Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 20.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	21	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	10000	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	120000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	340	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	9700	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	74000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	180000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	540	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	200000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	360	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
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Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)

Aroclor-1016	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1221	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1232	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1242	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1248	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1254	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-024A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-27 (3-5)**

Project Number: **5133d-6-20**

Client Sample Number: **24**

Sample Date: **12/7/2006**

Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 20.5%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1260	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1262	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1268	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-009**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-27W**
Project Number: **NA** Client Sample Number: **9**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**

Fibertec Project Number: **21021** Sample Number: **21021-009**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-27W**

Project Number: **NA** Client Sample Number: **9**

Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-009

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-27W
Project Number:	NA	Client Sample Number:	9
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Vinyl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
enes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-009A**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-27W**
Project Number: **NA** Client Sample Number: **9**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3535/EPA 8082)								
Aroclor-1016	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1221	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1232	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1242	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1248	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1254	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1260	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1262	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1268	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
ysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-009A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-27W
Project Number:	NA	Client Sample Number:	9
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-026**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-28 (0-0.5)**

Project Number: **5133d-6-20** Client Sample Number: **26**

Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.9%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-026**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-28 (0-0.5)**

Project Number: **5133d-6-20**

Client Sample Number: **26**

Sample Date: **12/7/2006**

Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.9%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**

FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;

E = Estimated value; J = Analyte positively identified - estimated value

X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)

Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)

1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-026**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-28 (0-0.5)**

Project Number: **5133d-6-20** Client Sample Number: **26**

Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.9%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
enes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-026A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-28 (0-0.5)
Project Number:	5133d-6-20	Client Sample Number:	26
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.9%.**
 Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	13	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	4700	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	69000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	420	$\mu\text{g/kg}$	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	12000	$\mu\text{g/kg}$	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	17000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	63000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	350	$\mu\text{g/kg}$	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	88000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	ND	$\mu\text{g/kg}$	50	1	42453	12/13/2006	12/13/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Acenaphthylene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)pyrene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
benzo(b)fluoranthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-026A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-28 (0-0.5)
Project Number:	5133d-6-20	Client Sample Number:	26
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.9%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-027

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-28 (2-4)
Project Number:	5133d-6-20	Client Sample Number:	27
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-027**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-28 (2-4)**
Project Number: **5133d-6-20** Client Sample Number: **27**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-027**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-28 (2-4)**
Project Number: **5133d-6-20** Client Sample Number: **27**
Sample Date: **12/7/2006** Chain of Custody Number: **56566**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
enes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-027A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-28 (2-4)
Project Number:	5133d-6-20	Client Sample Number:	27
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.8%.**
 Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	14	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	4900	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	98000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	760	$\mu\text{g/kg}$	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	15000	$\mu\text{g/kg}$	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	24000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	100000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	410	$\mu\text{g/kg}$	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	$\mu\text{g/kg}$	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	160000	$\mu\text{g/kg}$	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	480	$\mu\text{g/kg}$	50	1	42453	12/13/2006	12/13/2006	PAM
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Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)

Acenaphthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Acenaphthylene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)anthracene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(a)pyrene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN
zo(b)fluoranthene	ND	$\mu\text{g/kg}$	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-027A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-28 (2-4)
Project Number:	5133d-6-20	Client Sample Number:	27
Sample Date:	12/7/2006	Chain of Custody Number:	56566

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.8%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN
Pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-008**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-28W**
Project Number: **NA** Client Sample Number: **8**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-008

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-28W
Project Number:	NA	Client Sample Number:	8
Sample Date:	12/11/2006	Chain of Custody Number:	63601

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-008**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-28W**
Project Number: **NA** Client Sample Number: **8**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 6)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Vinyl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
nes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-008A**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-28W**
Project Number: **NA** Client Sample Number: **8**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNA's) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-012**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-30 (4-6)**

Project Number: **5133d-6-20** Client Sample Number: **12**

Sample Date: **12/7/2006** Chain of Custody Number: **50376**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.0%.**

Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-012

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-30 (4-6)
Project Number:	5133d-6-20	Client Sample Number:	12
Sample Date:	12/7/2006	Chain of Custody Number:	50376

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.0%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
4-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-012**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-30 (4-6)**
Project Number: **5133d-6-20** Client Sample Number: **12**
Sample Date: **12/7/2006** Chain of Custody Number: **50376**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.0%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	69	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
nes	ND	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-012A**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-30 (4-6)**
Project Number: **5133d-6-20** Client Sample Number: **12**
Sample Date: **12/7/2006** Chain of Custody Number: **50376**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.0%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	21	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
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Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	7500	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	82000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	190	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	11000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	15000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	13000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	ND	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	41000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG

Mercury by CVAAS (EPA 7471A)

Mercury	ND	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
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Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)

Aroclor-1016	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1221	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1232	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1242	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1248	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1254	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit**

Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982**

Sample Number: **20982-012A**

Client Sample Information

Project Identification: **Atwater**

Client Sample Description: **B-30 (4-6)**

Project Number: **5133d-6-20**

Client Sample Number: **12**

Sample Date: **12/7/2006**

Chain of Custody Number: **50376**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.0%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1260	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1262	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1268	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
anthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-010**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-30W**
Project Number: **NA** Client Sample Number: **10**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-010**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-30W**
Project Number: **NA** Client Sample Number: **10**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**

Fibertec Project Number: **21021** Sample Number: **21021-010**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-30W**

Project Number: **NA** Client Sample Number: **10**

Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Vinyl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
nes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Ground Water**
Fibertec Project Number: **21021** Sample Number: **21021-010A**

Client Sample Information

Project Identification: **5133d-6-20** Client Sample Description: **B-30W**
Project Number: **NA** Client Sample Number: **10**
Sample Date: **12/11/2006** Chain of Custody Number: **63601**

Comments:
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Chrysene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-011

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-31W
Project Number:	NA	Client Sample Number:	11
Sample Date:	12/11/2006	Chain of Custody Number:	63602

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Acrylonitrile	ND	µg/L	2.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Benzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromochloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromodichloromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromoform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Bromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Butanone	ND	µg/L	25	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
sec-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
tert-Butylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Disulfide	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Carbon Tetrachloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloroform	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Chlorotoluene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromochloromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-011

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-31W
Project Number:	NA	Client Sample Number:	11
Sample Date:	12/11/2006	Chain of Custody Number:	63602

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dibromomethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,4-Dichlorobenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Dichlorodifluoromethane	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,2-Dichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2-Dichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
cis-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
trans-1,3-Dichloropropene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Ethylene Dibromide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
2-Hexanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS
Methyl Iodide	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
propylbenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
4-Methyl-2-pentanone	ND	µg/L	50	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-011

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-31W
Project Number:	NA	Client Sample Number:	11
Sample Date:	12/11/2006	Chain of Custody Number:	63602

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
MTBE	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Naphthalene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
n-Propylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Styrene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Tetrachloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Toluene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,1-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,1,2-Trichloroethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichloroethene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Trichlorofluoromethane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,3-Trichloropropane	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,2,4-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
1,3,5-Trimethylbenzene	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
Vinyl Chloride	ND	µg/L	1.0	1	V306L12B	12/13/2006	12/13/2006	JAS
enes	ND	µg/L	3.0	1	V306L12B	12/13/2006	12/13/2006	JAS

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-011A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-31W
Project Number:	NA	Client Sample Number:	11
Sample Date:	12/11/2006	Chain of Custody Number:	63602

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3535/EPA 8082)								
Aroclor-1016	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1221	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1232	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1242	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1248	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1254	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1260	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1262	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Aroclor-1268	ND	µg/L	0.20	1	42425	12/12/2006	12/13/2006	BDA
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Acenaphthylene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Anthracene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)anthracene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(a)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(b)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(ghi)perylene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(k)fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Benzo(e)pyrene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Dibenzo(a,h)anthracene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Ground Water
Fibertec Project Number:	21021	Sample Number:	21021-011A

Client Sample Information

Project Identification:	5133d-6-20	Client Sample Description:	B-31W
Project Number:	NA	Client Sample Number:	11
Sample Date:	12/11/2006	Chain of Custody Number:	63602

Comments:
Definitions:

ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Fluoranthene	ND	µg/L	1.0	1	42446	12/13/2006	12/14/2006	AMJ
Fluorene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Indeno(1,2,3-cd)pyrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
2-Methylnaphthalene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ
Phenanthrene	ND	µg/L	2.0	1	42446	12/13/2006	12/14/2006	AMJ
Pyrene	ND	µg/L	5.0	1	42446	12/13/2006	12/14/2006	AMJ

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**

Fibertec Project Number: **20982** Sample Number: **20982-016**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-32 (1-3)**

Project Number: **5133d-6-20** Client Sample Number: **16**

Sample Date: **12/7/2006** Chain of Custody Number: **50376**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.6%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Acetone	ND	µg/kg	1000	1	VB06L12A	12/7/2006	12/12/2006	BJK
Acrylonitrile	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Benzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromochloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromodichloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromoform	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Bromomethane	ND	µg/kg	200	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Butanone	ND	µg/kg	750	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
sec-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
tert-Butylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Disulfide	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Carbon Tetrachloride	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorobenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloroform	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chlorotoluene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Chloromethylchloromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-016

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-32 (1-3)
Project Number:	5133d-6-20	Client Sample Number:	16
Sample Date:	12/7/2006	Chain of Custody Number:	50376

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.6%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration (>=4X the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
1,2-Dibromo-3-chloropropane	ND	µg/kg	10	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dibromomethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,4-Dichlorobenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Dichlorodifluoromethane	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,2-Dichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2-Dichloropropane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
cis-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
trans-1,3-Dichloropropene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylbenzene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Ethylene Dibromide	ND	µg/kg	20	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Hexanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK
Methyl Iodide	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Propylbenzene	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
2-Methyl-2-pentanone	ND	µg/kg	2500	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Detroit** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **20982** Sample Number: **20982-016**

Client Sample Information

Project Identification: **Atwater** Client Sample Description: **B-32 (1-3)**
Project Number: **5133d-6-20** Client Sample Number: **16**
Sample Date: **12/7/2006** Chain of Custody Number: **50376**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.6%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated result for carbon tetrachloride, compound failed low on CCV)								
Methylene Chloride	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
MTBE	ND	µg/kg	250	1	VB06L12A	12/7/2006	12/12/2006	BJK
Naphthalene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
n-Propylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Styrene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1,2-Tetrachloroethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2,2-Tetrachloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Tetrachloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Toluene	68	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trichlorobenzene	ND	µg/kg	330	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,1-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,1,2-Trichloroethane	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichloroethene	ND	µg/kg	50	1	VB06L12A	12/7/2006	12/12/2006	BJK
Trichlorofluoromethane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,3-Trichloropropane	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,2,4-Trimethylbenzene	120	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
1,3,5-Trimethylbenzene	ND	µg/kg	100	1	VB06L12A	12/7/2006	12/12/2006	BJK
Vinyl Chloride	ND	µg/kg	40	1	VB06L12A	12/7/2006	12/12/2006	BJK
enes	290	µg/kg	150	1	VB06L12A	12/7/2006	12/12/2006	BJK

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-016A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-32 (1-3)
Project Number:	5133d-6-20	Client Sample Number:	16
Sample Date:	12/7/2006	Chain of Custody Number:	50376

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.6%.**
 Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
FF = Field Filtered; B = Analyte detected in blank; TIC = Tentatively Identified Compound;
E = Estimated value; J = Analyte positively identified - estimated value
X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	14	%	0.1	1	NA	12/12/2006	12/13/2006	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	8700	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Barium	53000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Cadmium	280	µg/kg	50	1	42452	12/13/2006	12/13/2006	JAG
Chromium	13000	µg/kg	500	1	42452	12/13/2006	12/13/2006	JAG
Copper	14000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Lead	33000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Selenium	250	µg/kg	200	1	42452	12/13/2006	12/13/2006	JAG
Silver	ND	µg/kg	100	1	42452	12/13/2006	12/13/2006	JAG
Zinc	54000	µg/kg	1000	1	42452	12/13/2006	12/13/2006	JAG
Mercury by CVAAS (EPA 7471A)								
Mercury	ND	µg/kg	50	1	42453	12/13/2006	12/13/2006	PAM
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1221	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1232	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1242	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1248	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1254	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN

Analytical Laboratory Report

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Detroit	Sample Matrix:	Soil/Solid
Fibertec Project Number:	20982	Sample Number:	20982-016A

Client Sample Information

Project Identification:	Atwater	Client Sample Description:	B-32 (1-3)
Project Number:	5133d-6-20	Client Sample Number:	16
Sample Date:	12/7/2006	Chain of Custody Number:	50376

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.6%.**
Definitions: **ND = Not Detected at or above the reporting limit; RL = Reporting Limit; NA = Not Applicable/Not Available**
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X - Spike recovery distorted due to elevated sample target analyte concentration ($\geq 4X$ the amount spiked)
Y - Spike unrecoverable due to sample dilution.

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1260	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1262	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Aroclor-1268	ND	µg/kg	330	1	42405	12/12/2006	12/13/2006	GAN
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Acenaphthylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(a)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(b)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(ghi)perylene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Benzo(k)fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Chrysene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Dibenzo(a,h)anthracene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluoranthene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Fluorene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
Indeno(1,2,3-cd)pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
2-Methylnaphthalene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
phenanthrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN
pyrene	ND	µg/kg	330	1	42416	12/12/2006	12/12/2006	LAN



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Chain of Custody #
50371
PAGE 1 of 7

Client Name: <u>ART. Pouches</u>					MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS										Turnaround	Matrix Code	
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor				VOCs	PAHs	PCBs	MI Metals									24 hour RUSH (surcharge applies)
	12/17			B-17 (C-0.5)		3												48 hour RUSH (surcharge applies)	W Water	
				B-18 (C-0.5)		3												72 hour RUSH (surcharge applies)	A Air	
				B-19 (C-0.5)		3												Standard (5-7 bus. days)	O Oil	
				B-20 (C-0.5)		3												Other: Specify	P Wipe	
				B-21 (C-0.5)		3												12-15-06	X Other: Specify	
				B-22 (C-0.5)		3														
				B-23 (C-0.5)		3														
				B-24 (C-0.5)		3														
				B-25 (C-0.5)		3														
				B-26 (C-0.5)		3														
				B-27 (C-0.5)		3														
				B-28 (C-0.5)		3														
				B-29 (C-0.5)		3														
				B-30 (C-0.5)		3														
				B-31 (C-0.5)		3														
				B-32 (C-0.5)		3														
Comments:																				
Relinquished By:					Date/Time	Received By:														
Relinquished By:					Date/Time	Received By:														
Relinquished By:					Date/Time	Received By Laboratory:														
LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt:																				

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Chain of Custody #
50376
PAGE 2 of 7

Client Name:				MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS										Turnaround	Matrix Code
Contact Person:							VOCs	Phenols	Pb	Metal								
Project Name/ Number:																	48 hour RUSH (surcharge applies)	W Water
Purchase Order#																	72 hour RUSH (surcharge applies)	A Air
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor													Standard (5-7 bus. days)	O Oil
																	Other: Specify	P Wipe
																	12.5.04	X Other: Specify
																	Remarks:	
				B-30 (1-5)														HOLD
				B-30 (4-6)				X	X	X	X							
				B-31 (1-5)														HOLD
				B-31 (5-7)														HOLD
				B-31 (1-5)														HOLD
				B-32 (1-3)				X	X	X	X							HOLD
				B-33 (1-5)														HOLD
				B-33 (3-5)				X	X	X	X							
				B-34 (1-5)														HOLD
				B-34 (3-4)				X	X	X	X							
Comments:																		
Relinquished By:					Date/ Time					Received By:								
Relinquished By:					Date/ Time					Received By:								
Relinquished By:					Date/ Time					Received By Laboratory:								
LAB USE ONLY:																		
Fibertec project number:																		
Laboratory Tracking:																		
Temperature at Receipt:																		

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Chain of Custody #

56566

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Client Name: <u>ART Tomelass</u>				PARAMETERS												Turnaround		Matrix Code	
Contact Person: <u>Megan C. Lush</u>																24 hour RUSH (surcharge applies)		S Soil	
Project Name/ Number: <u>553D</u>																48 hour RUSH (surcharge applies)		W Water	
																72 hour RUSH (surcharge applies)		A Air	
																Standard (5-7 bus. days)		O Oil	
																Other: Specify		P Wipe	
Purchase Order#																<u>12-15-06</u>		X Other: Specify	
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS PRESERVED (Y/N)	VOCs	PNAS	PCBS	MI Metals								Remarks:	
	12/7			R-26 (6-8)	S	Y	X	X		X									
				B-26 (10-12)	S	Y												HOLD	
				B-27 (10-12)	S	Y												HOLD	
				R-27 (3-5)	S	Y	X	X	X	X								in will	
				B-27 (2-9)	S	Y												HOLD	
				R-28 (0-5)	S	Y	X	X		X									
				R-28 (2-11)	S	Y	X	X		X									
				R-28 (0-8)	S	Y												HOLD	
				R-28 (1-13)	S	Y												HOLD	
				R-29 (4-0-5)	S	Y												HOLD	
Comments:																			
Relinquished By: <u>Megan C. Lush</u>					Date/ Time: <u>12/7/06</u>					Received By: <u>[Signature]</u>									
Relinquished By:					Date/ Time:					Received By:									
Relinquished By:					Date/ Time:					Received By Laboratory:									
LAB USE ONLY:																			
Fibertec project number:																			
Laboratory Tracking:																			
Temperature at Receipt:																			

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Chain of Custody #

56711

PAGE 2 of 7

Client Name: <u>AKT Pouches</u>				PARAMETERS										Turnaround		Matrix Code	
Contact Person: <u>Mag. B. Smith</u>				<div style="display: flex; justify-content: space-around;"> <div>VOCs</div> <div>PHAs</div> <div>PCBs</div> <div>M. Metals</div> <div>Pb</div> <div>Cd</div> <div>Ch</div> </div>										24 hour RUSH (surcharge applies)		<input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input checked="" type="checkbox"/> Other: Specify	
Project Name/ Number: <u>132 L</u>														48 hour RUSH (surcharge applies)			
Purchase Order#														72 hour RUSH (surcharge applies)			
				Standard (5-7 bus. days)		Other Specify <u>12-15-06</u>											
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)										Remarks:
	12/7			B-34 (11-16)													HOLD
				B-35 (0-5)				X	X								
				B-36 (2-5)				X	X			X	X	X			
				B-36 (0-5)													HOLD
				B-36 (6-8)				X	X		X						
				B-36 (11-12)													HOLD
				B-37 (0-5)				X	X	X							
				B-37 (0-5)				X	X			X	X	X			
				B-37 (0-5)													HOLD
				B-37 (6-8)				X	X		X						
Comments:																	
Relinquished By: <u>Mag. B. Smith</u>				Date/ Time: <u>12-7 4:00</u>				Received By: <u>AKR</u>									
Relinquished By:				Date/ Time:				Received By:									
Relinquished By:				Date/ Time:				Received By Laboratory:									
LAB USE ONLY:																	
Fibertec project number:																	
Laboratory Tracking:																	
Temperature at Receipt:																	

COC Revision: October, 2003

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Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec-usa.com

Geoprobe
7794 Boardwalk Road
Brighton, MI 48116
Phone: 248 446 5700
Fax: 248 446 5701

Chain of Custody #
50377
PAGE 6 of 7

Client Name: <u>ART Jackson</u>					MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS										Turnaround	Matrix Code	
Contact Person: <u>Margaret Babinski</u>								VOCs	PNAs	PCBs	MI Metals	Pb	Cd	Ch					24 hour RUSH (surcharge applies)	S Soil
Project Name/ Number: <u>572L</u>																			48 hour RUSH (surcharge applies)	W Water
Purchase Order#																			72 hour RUSH (surcharge applies)	A Air
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor													Standard (5-7 bus. days)	COil		
																	Other: Specify	P Wipe		
																	<u>12-13-06</u>	X Other: Specify		
																	Remarks:			
	<u>1/17</u>			<u>6-42 (L-1)</u>					X	X			X	X	X					
				<u>13 (L-2)</u>					X	X		X								
				<u>13 (L-3)</u>					X	X	X	X								
				<u>6-42 (L-12)</u>																
				<u>TR 00143</u>					X											
				<u>TR 00144</u>					X	X	X									
				<u>TR 00145</u>					X											
				<u>TR 00146</u>					X											
				<u>TR 00147</u>					X	X	X									
Comments:																				
Relinquished By: <u>Margaret Babinski</u>					Date/ Time		Received By: <u>ART</u>													
Relinquished By: <u>J</u>					Date/ Time		Received By:													
Relinquished By:					Date/ Time		Received By Laboratory:													
LAB USE ONLY:																				
Fibertec project number:																				
Laboratory Tracking:																				
Temperature at Receipt:																				

COC Revision: October, 2003

TERMS & CONDITIONS ON BACK

Client Name: <u>ART - B...</u>					MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS							Turnaround	Matrix Code
Contact Person: <u>Mr. E. L. ...</u>								VOCs	PCBs	Mt Metals	Pb	Cd	Ch	Lead Gas Phase	24 hour RUSH (surcharge applies)	S Soil
Project Name/ Number: <u>5133 D</u>															48 hour RUSH (surcharge applies)	W Water
Purchase Order#															72 hour RUSH (surcharge applies)	A Air
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor									Standard (5-7 bus. days)	O Oil		
													Other: Specify	P Wipe		
													<u>12-15-06</u>	X Other: Specify		
Remarks:																
				B-35 (1-12)										HOLD		
				B-36 (1-15)			X	X		X	X	X				
				B-35 (1-6)								X				
				B-36 (1-6-3)										HOLD		
				B-36 (1-7-9)			X	X		X						
				B-36 (1-20)										HOLD		
				B-37 (1-10-3)										HOLD		
				B-37 (1-2-4)			X	X	X	X	X	X				
				B-37 (1-8)										HOLD		
				B-37 (1-5)										HOLD		
Comments:																
Relinquished By: <u>Megan ...</u>					Date/ Time		Received By: <u>[Signature]</u>									
					12-7-06 4:00											
Relinquished By:					Date/ Time		Received By:									
Relinquished By:					Date/ Time		Received By Laboratory:									
LAB USE ONLY:																
Fibertec project number:																
Laboratory Tracking:																
Temperature at Receipt:																



Analytical Laboratory
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email: asbestos@fibertec.us

Geoprobe
7794 Boardwalk Road Brighton, MI 48116
Phone: 248 446 5700
Fax: 248 446 5701

Chain of Custody #

63601

PAGE 1 of 2

Client Name: AKT Peerless					MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS										Turnaround	Matrix Code	
Contact Person: Michalukja@aktpeerless.com								VOCs	PNAAs	PCBs	24 hour RUSH (surcharge applies)	48 hour RUSH (surcharge applies)	72 hour RUSH (surcharge applies)	Standard 157 bus. days	Other: Specify	S Soil	GW Ground Water			
Project Name/ Number: 5133d - 6-20																				
Purchase Order#																				
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor																
1	12-11-06			B-19W	W	6	Y	X	X											
2				B-17W	W	5	Y	X	X											
3				B-20W	W	6	Y	X	X											
4				B-21W	W	6	Y	X	X											
5				B-23W	W	5	Y	X	X											
6				B-24W	W	6	Y	X	X											
7				B-25W	W	6	Y	X	X	X										
8				B-28W	W	5	Y	X	X											
9				B-27W	W	6	Y	X	X	X										
10				B-30W	W	6	Y	X	X											
Comments:																				
Relinquished By: [Signature]					Date/ Time: 12/13/06 5:47		Received By: [Signature]													
Relinquished By: [Signature]					Date/ Time: 12/12 10:47		Received By: [Signature]													
Relinquished By: [Signature]					Date/ Time: 12/12 10:47		Received By Laboratory: [Signature]													
LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt: 21021																				

COC Revision: April, 2006

RCV'D ON
ICE 5

TERMS & CONDITIONS ON BACK



1914 Holloway Drive	8660 S. Mackinaw Trail
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Fax: 517 699 0388	Fax: 231 775 8584
email: lab@fibertec.us	

**1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382**

7794 Boardwalk Road
Brighton, MI 48116
Phone: 248 446 5700
Fax: 248 446 5701

63602
PAGE 2 of 2

Client Name: AKT Peerless				PARAMETERS												Turnaround		Matrix Code	
Contact Person: michalukj@aktpeerless.com				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">MATRIX (SEE RIGHT CORNER FOR CODE)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;"># OF CONTAINERS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PRESERVED (Y/N)</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">1003</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PNA5</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">P2B5</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">cad</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">chrom</div> </div> </div>												24 hour RUSH (surcharge applies) 48 hour RUSH (surcharge applies) 72 hour RUSH (surcharge applies) Standard 15-7 bus. days <input checked="" type="checkbox"/> Other: Specify 12.15.06		S Soil GW Ground Water A Air SW Surface Water O Oil WW Waste Water P Wipe X Other: Specify	
Project Name/ Number: 5133d-6-20																			
Purchase Order#																			
Lab Sample #	Date	Time	Client Sample #													Client Sample Descriptor			
11	12-11-06			B-31W															
12				B-33W															
13				B-34W															
14				B-36W															
15				B-38W															
16				B-39W															
17				B-40W															
18				B-41W															
19				B-42W															
Comments:																			
Relinquished By: <i>[Signature]</i>				Date/Time: 8:47				Received By: <i>[Signature]</i>											
Relinquished By: <i>[Signature]</i>				Date/Time:				Received By:											
Relinquished By: <i>[Signature]</i>				Date/Time: 12/12 10:47				Received By Laboratory: <i>[Signature]</i>											
LAB USE ONLY: Fibertec project number: Laboratory Tracking: Temperature at Receipt:																			

COC Revision: April, 2006

APPENDIX C
GEOPHYSICAL SURVEY REPORT



Geophysical Imaging, Inc.
7357 Woodshire Ln
Holland, OH 43528
Phone/fax: (419) 868-2902

December 14, 2006

GII Project No. 06-189

Mr. Timothy J. McGahey, CHMM
Senior Project Manager
AKT Peerless Environmental Services
607 Shelby Street, Suite 900
Detroit, Michigan 48226

**Geophysical Survey Report
Proposed @water Lofts
Atwater Street
Detroit, Michigan**

Dear Mr. McGahey:

This letter report summarizes the results and interpretations of the geophysical survey performed for AKT Peerless Environmental Services (AKT) by Geophysical Imaging, Inc. (GII) at the above-referenced site. The purpose of the survey was to detect if abandoned underground storage tanks (USTs) are present at the site.

Project Background

According to AKT, USTs were historically present at the site. The status of the UST is unknown.

Field Activities and Data Processing

On December 3, 4, 5, and 6, 2006, a combined electromagnetic induction (EM) and ground-penetrating radar (GPR) survey was conducted by GII at the site in the areas (Parcels D, F, and H) designated by AKT. Figure 1 depicts the approximate areas surveyed and the general site features. The EM survey was performed in "continuous survey" mode along 5-foot spaced transects. GII used a GSSI EMP-400 multi-frequency EM profiler with integrated GPS. Two EM exploration frequencies (8,000 Hz and 12,000 Hz) were selected for the site. Prior to the EM survey, zero in-phase calibration was performed at the site. In "continuous survey" mode, data are acquired at a fixed time interval while the operator walks along a survey line at a steady pace. Both in-phase (metal **sensitive**) and quadrature (terrain conductivity) measurements were



acquired during the EM survey. These measurements were automatically stored in a wireless data logger, and later downloaded to a computer for subsequent processing. Two software packages were utilized to define suspect areas, MagMap (supplied by E.G. & G. Geometrics) and SURFER (developed by Golden Software). Selected EM measurement contour maps are presented on Figures 4 through 9.

The GPR survey was performed along 5-foot spaced profiles. GII used a GSSI SIR-3000 GPR system with a 400-megahertz (MHz) dipole antenna mounted on a wheeled cart to scan the survey area. Several test scans were completed to observe the overall GPR responses to setup survey parameters prior to the GPR survey. A survey wheel was used to acquire distance-based data at the density of 18 scans per foot. Anomalous reflective objects/structures were noted and marked on the ground surface during the data acquisition. Additional linescans were performed to better understand anomalous targets. The GPR data were automatically stored in a data logger, and later downloaded to a computer for subsequent processing. The data processing consisted of Time-Zero Adjustment (time zero of the vertical scale aligned with the surface reflection) and Background Removal (horizontal banding) to the GPR scans. Targeted GPR linescans are presented on Figures 10 and 11.

Targeted magnetometer surveys were also conducted at the EM in-phase anomaly areas to differentiate between UST and pipes/rebar concrete. However, magnetometer grid survey was not conducted at the site

Results and Interpretations

Parcel D: The EM survey identified two moderate EM in-phase (metal) anomalies. Four targeted GPR linescans (Linescans A, B, C, and D) were performed in these anomaly areas. Shallow, hyperbolic reflection responses were identified on GPR scans. Based on the EM and GPR data, these anomaly areas were interpreted to represent possible buried pipes, metal debris and/or rebar concrete.

Parcel F: The EM survey identified nine strong EM in-phase anomalies. Six targeted GPR linescans (Linescans E, F, G, H, I, and J) were performed in these anomaly areas. Strong signal attenuation effects were observed on GPR scans. The presence of high moisture content in the soil may cause the GPR signal attenuation. The estimated GPR signal penetration depth was about two feet or less. Magnetometer survey identified a strong magnetic anomaly, where Linescan F was performed. Based on the EM and Magnetometer data, this anomaly area was interpreted to represent possible small UST/several buried pipes/rebar concrete. Other EM in-phase anomalies identified are probably associated with buried rebar concrete or metal debris. Targeted magnetometer survey identified an anomaly, which typically characterize the presence of rebar concrete, at the strong EM in-phase anomaly area located at northeastern portion of Parcel F. Targeted GPR scan was not conducted in this anomaly area due to the uneven surface. Rebar concrete acts as a magnetic shield. Therefore, EM and



magnetometer are not able to detect any UST underneath rebar concrete. Further subsurface investigation would be required to determine the actual cause of this strong EM in-phase and magnetic anomaly.

Parcel H: The EM survey identified two strong EM in-phase anomalies. Three targeted GPR linescans (Linescans K, L, and M) were performed in these anomaly areas. Strong signal attenuation effects were observed on GPR scans. The estimated GPR signal penetration depth was about two feet or less. Targeted magnetometer survey identified strong coincident magnetic anomalies in these EM in-phase anomaly areas. The magnitude of the magnetic anomaly is similar to the magnetometer response that is often observed over large metal targets such as USTs. Based on the EM and Magnetometer data, these anomaly areas were interpreted to represent possible buried USTs/several buried pipes/rebar concrete. Further subsurface investigation would be required to determine the actual cause of these strong EM in-phase and magnetic anomalies.

Survey Methods and Limitations

The EM operates by driving a transmitter coil with an AC current at audio frequencies to generate a sinusoidal time-varying magnetic field. A receiver coil is positioned on or near the surface of the earth some distance away from the transmitter coil. The transmitted time-varying magnetic field generated by the transmitter coil induces secondary currents to flow in the subsurface, which in turn generate a secondary (induced) magnetic field. Both the induced secondary field, along with the primary field, is detected and recorded at the receiver coil.

The EM instruments contain two sets of coils that are located within opposite sides of the tool. One set of coil is used to transmit a primary magnetic field, which generates electrical current in the ground. The created current then generates a secondary magnetic field, which is sensed by the coils in the receiver end of the instrument. Data is then collected on a control unit indicating the conductivity of the earth. The magnitude of the secondary field is broken into two orthogonal components. The two components of the secondary magnetic field are in-phase (real component) and the quadrature or out-of-phase (imaginary component). For instruments operating within the Low Induction Number (LIN) approximation, the magnitude of the quadrature component of the secondary field is linearly proportional to the apparent conductivity. The in-phase measurement is most sensitive to buried metallic objects and can be used locate buried steel reinforced structures, UST, large utility pipes, and other metallic targets. In the absence of a highly conductive material (e.g. metallic targets) in the subsurface, the magnitude of the in-phase component is dependant on the magnetic susceptibility of the subsurface. The EMP-400 allows multiple frequency measurements at each survey station. The depth of exploration depends on the operating frequencies, target size and shape, and host-target conductivity. Site conditions that can limit, even preclude EM data interpretation include: urban or developed areas, thunderstorms and



nearby metallic objects at or above the ground surface such as parked vehicles near the survey stations, rebar concrete, metal siding, overhead power lines, metal fence/guard rail, and manhole covers, etc. Areas of a site that may be difficult or impossible to survey include: steep slopes, standing water areas, overgrown vegetation areas, and obstructed areas.

GPR operates by transmitting pulses of ultra high frequency radio waves (microwave electromagnetic energy) down into the ground through a transducer or antenna. When the transmitted signal enters the ground, it contacts objects or subsurface strata with different electrical conductivities and dielectric constants. Part of the ground penetrating radar waves reflect off of the object or interface; while the rest of the waves pass through to the next interface. The reflected signals return to the antenna, pass through the antenna, and are received by the digital control unit. The control unit registers the reflections against two-way travel time in nanoseconds (ns) and then amplifies the signals. The output signal voltage peaks are plotted on the GPR profile as different color bands by the digital control unit.

GPR waves with 400 MHz frequency typically can reach depths up to 12 feet below ground surface (bgs) in low conductivity materials such as dry sand or granite. Clays, shale, and other high conductivity materials or materials having high moisture, may attenuate or absorb GPR signals, greatly decreasing the depth of penetration to 3 feet bgs or less. Other site conditions that can limit even preclude GPR data acquisition and interpretation include: surface obstructions, uneven ground surface, standing water, cellular tower, rebar concrete, small or shallow buried objects, and over-grown vegetation, etc.

A proton magnetometer utilizes the precession of spinning protons or nuclei of the hydrogen atom in a sample of hydrocarbon fluid to measure the total magnetic intensity. These spinning protons behave as small, spinning magnetic dipoles, and are temporarily polarized by application of a uniform magnetic field generated by a current in a coil of wire. When the current is removed, the spin of the proton causes them to precess about the direction of the earth's magnetic field. The precessing protons then generate a small signal in the same coil used to polarize them, a signal whose frequency is precisely proportional to the total magnetic field intensity. The precession frequency is measured by digital counters as the absolute value of the total magnetic field intensity with an accuracy of 1 gamma, in earth's field of approximately 55,000 gammas.

Buried underground magnetic targets, such as USTs containing iron or steel, are often highly magnetized by induction in the earth's magnetic field, and cause large anomalies locally up to several thousands of gammas in the earth's main magnetic field. Magnetic methods are generally used to map the location and size of ferrous objects. However, the proton precession signal is sharply degraded in the presence of a large magnetic field gradient greater than 200 gammas per foot. Also, the signal amplitude from the



sensor must be measured to an accuracy of 0.04 Hertz (Hz) of the precession frequency of several thousand Hz. This small signal can be rendered immeasurable by the effects of nearby alternating current electrical power sources. Therefore, a proton magnetometer cannot usually be operated within the confines of a typical building. In addition, site conditions that can limit, even preclude magnetometer data interpretation include: parked vehicles near the survey stations, underground metal pipes, metal siding, overhead power lines, metal fence/guard rail, and manhole covers, etc.

Conclusions

This geophysical survey has identified thirteen anomalies, three of which may represent buried USTs. The geophysical results presented herein are interpreted. No warranty, certification, or statement of fact, either expressed or implied, regarding actual subsurface conditions within the surveyed area(s) is contained herein. If uncertainties exist regarding the presence of geophysical anomalies, test pit excavations should be conducted to explore the actual subsurface conditions. No interpretation of subsurface conditions can be made for areas not surveyed or paved with rebar concrete. Please note that the survey data reflect site conditions on the day of the field survey.

GII greatly appreciates this opportunity to provide AKT with our geophysical survey service. If you have any questions, please contact me at (419) 868-2902.

Sincerely,

Geophysical Imaging, Inc.

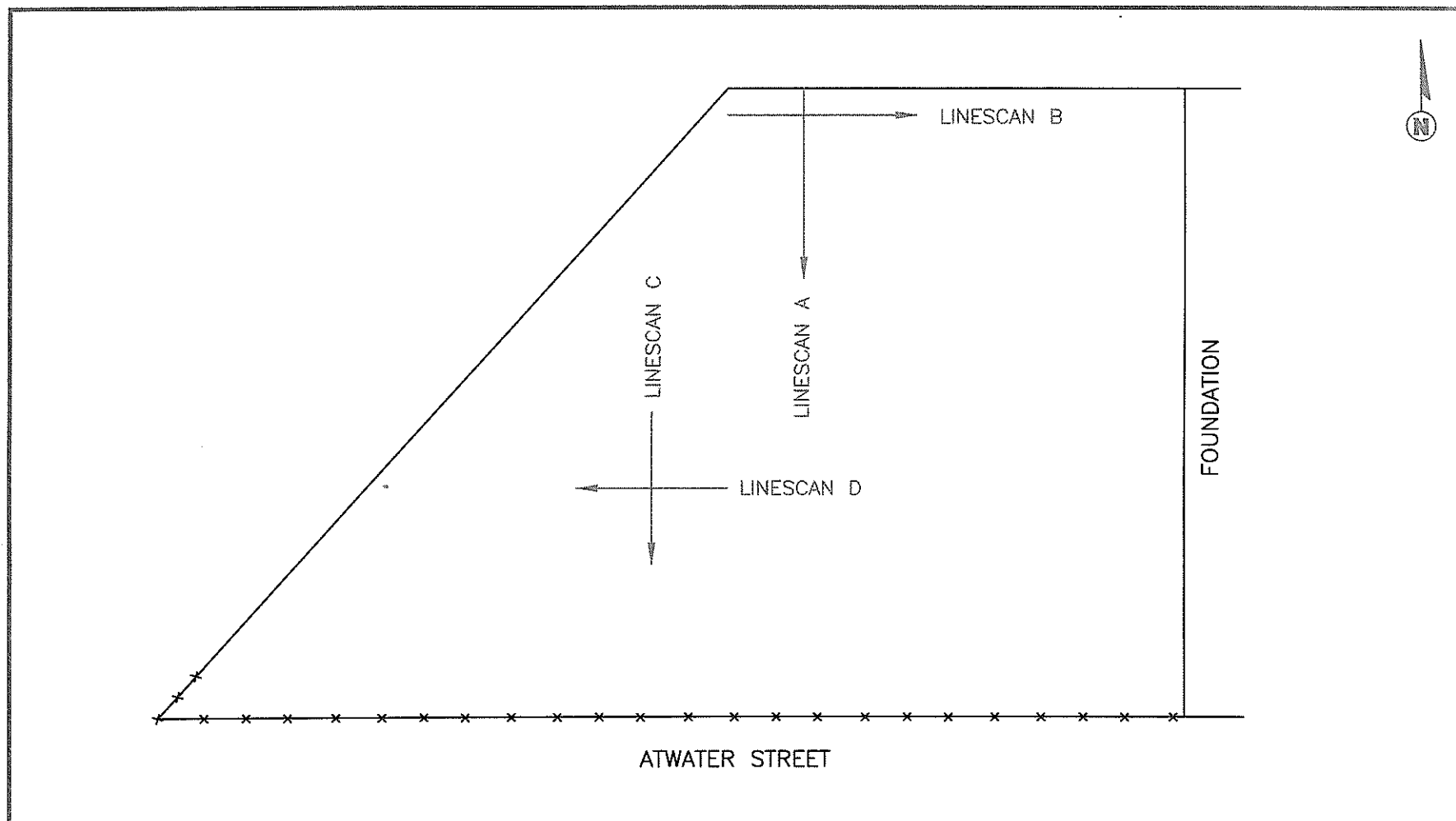
A handwritten signature in black ink, appearing to read "Ming He", is written over a horizontal line.

Ming He
President/Geophysicist

Attachments

Figures 1 – 11

G:\GII\PROJECTS\06-189 AKT DETROIT MI\06-189 AKT DETROIT MI REPORT.DOC



LEGEND:

**- CHAIN LINK FENCE

APPROXIMATE
SCALE -- FEET

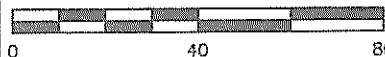


FIGURE 1
SURVEY DIAGRAM WITH
GEOPHYSICAL INTERPRETATIONS
PARCEL D
ATWATER STREET
DETROIT, MICHIGAN

Client

AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

GEOPHYSICAL IMAGING, INC.
7357 WOODSHIRE LN
HOLLAND, OH 43528

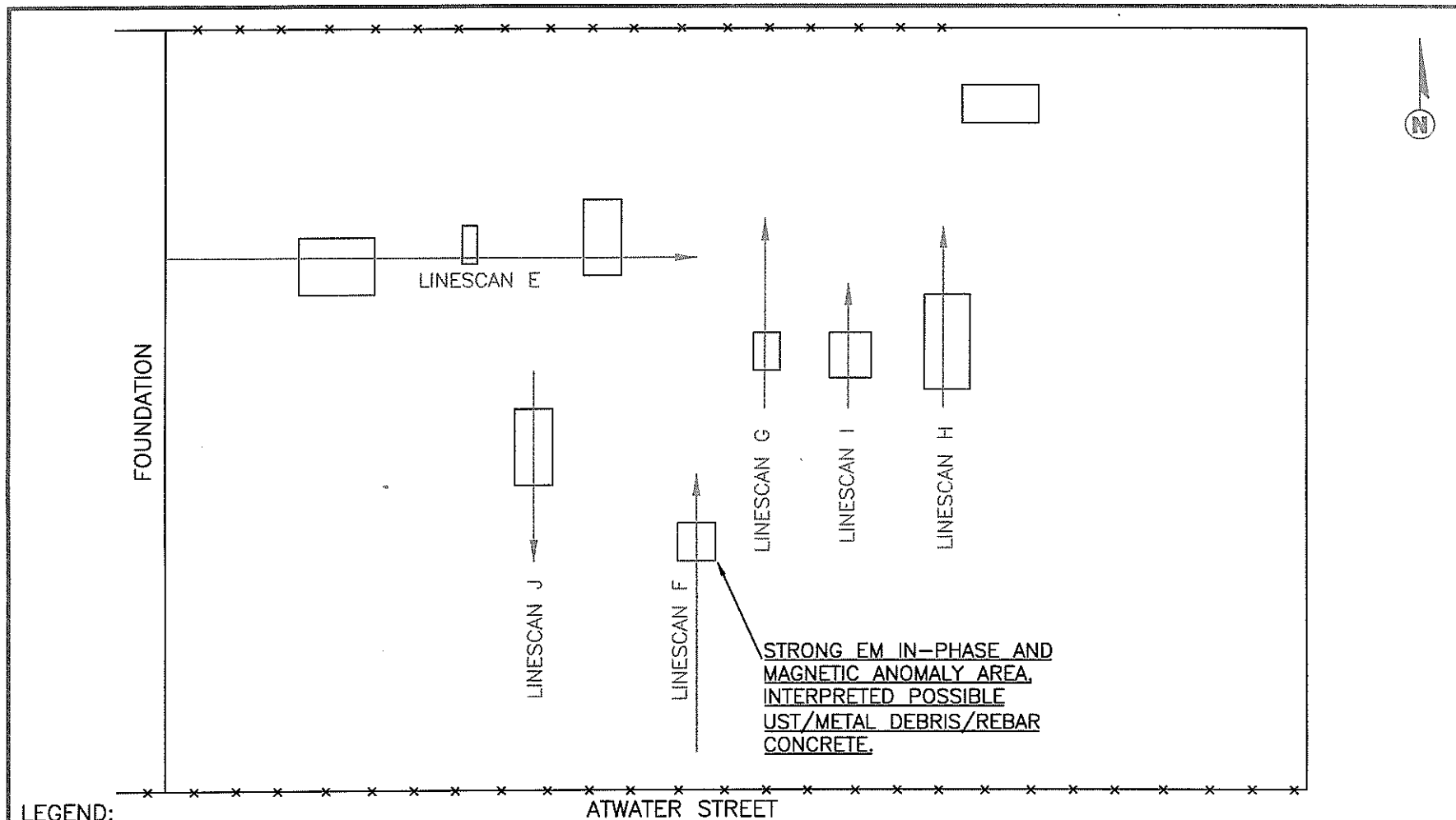
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06-189Fig1





LEGEND:

- xx CHAIN LINK FENCE
- STRONG EM IN-PHASE ANOMALY AREA, INTERPRETED POSSIBLE METAL DEBRIS OR REBAR CONCRETE

APPROXIMATE
SCALE -- FEET



**FIGURE 2
SURVEY DIAGRAM WITH
GEOPHYSICAL INTERPRETATIONS**

PARCEL F
ATWATER STREET
DETROIT, MICHIGAN

Client

**AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN**

GEOPHYSICAL IMAGING, INC.
7357 WOODSHIRE LN
HOLLAND, OH 43528

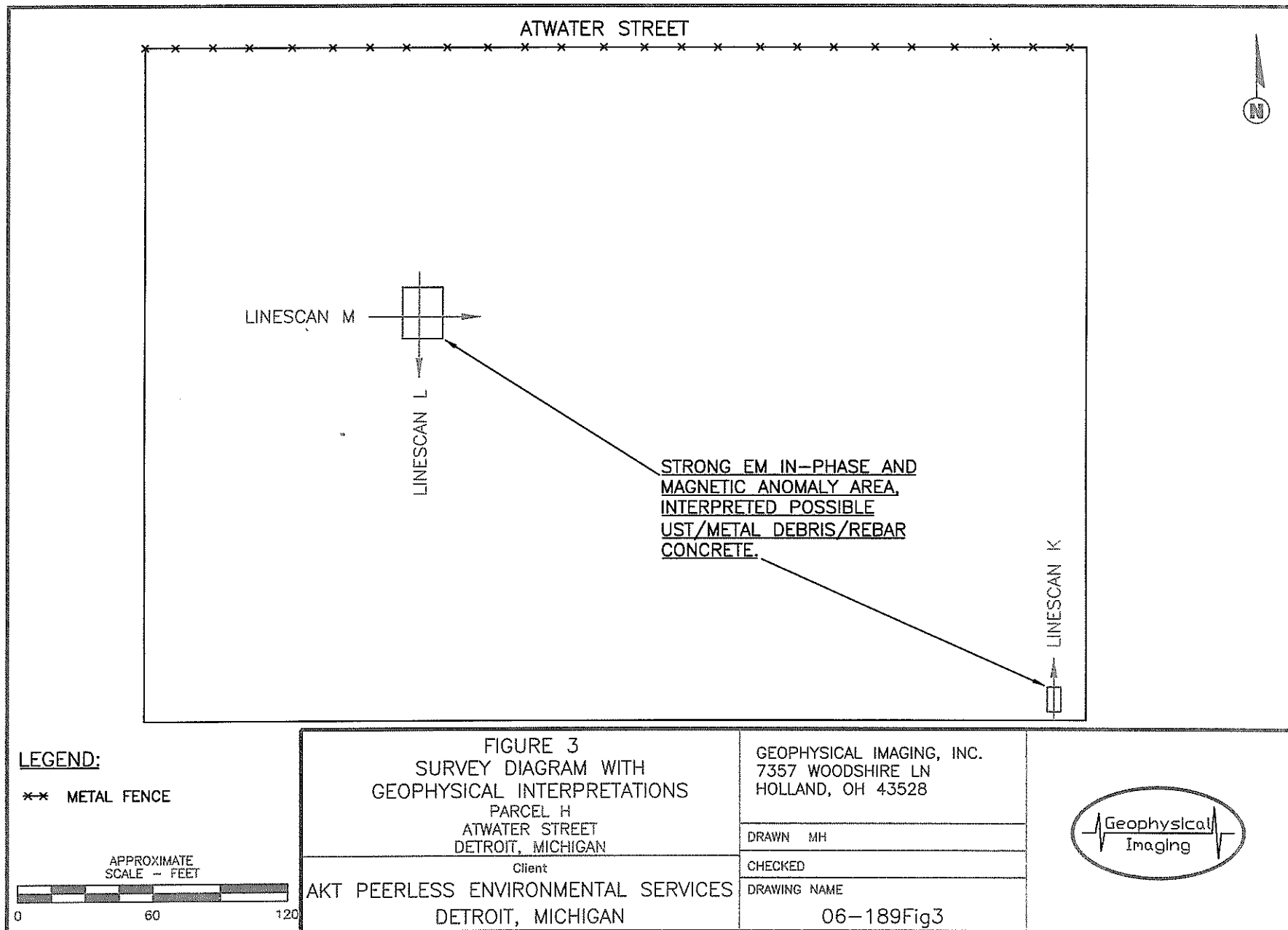
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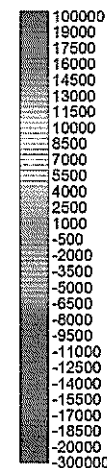
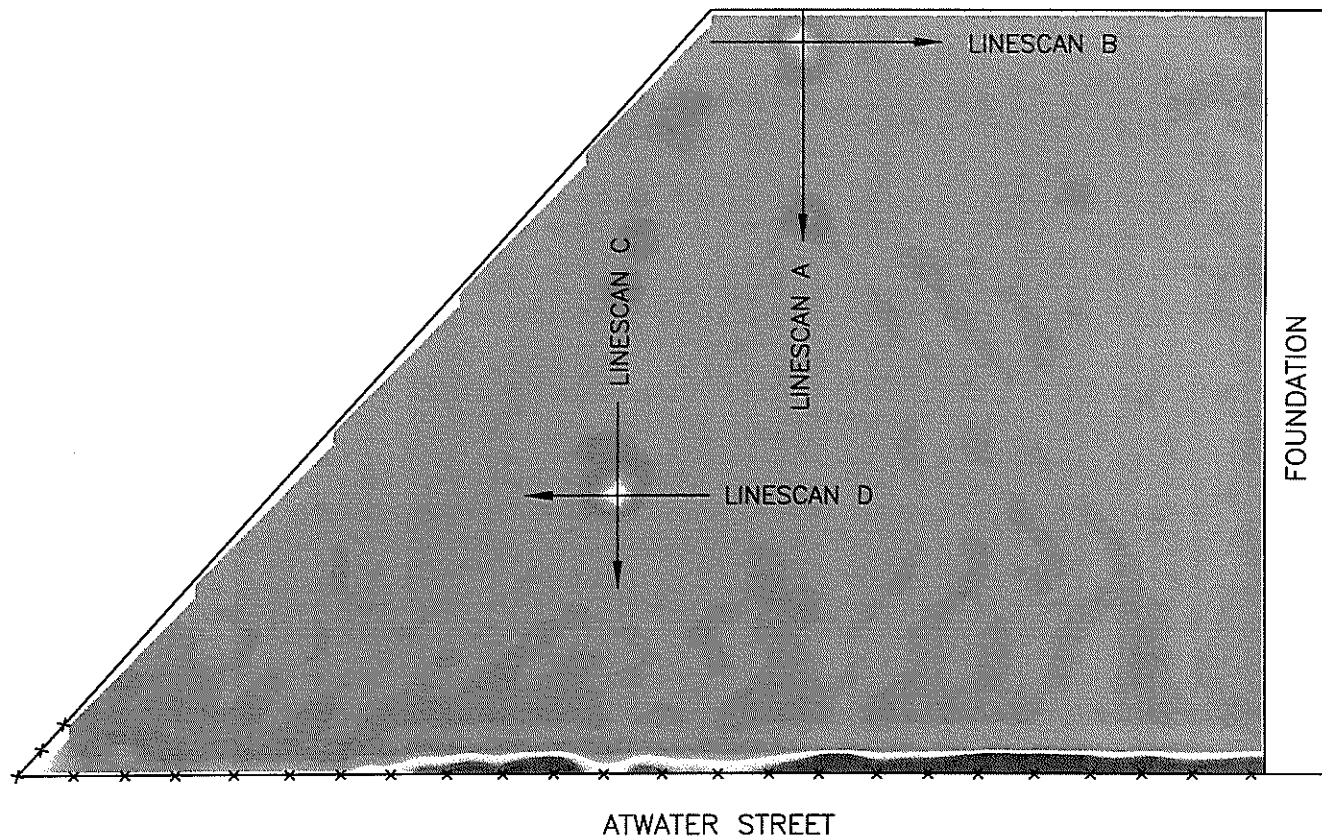
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DRAWING NAME

06-189Fig2







LEGEND:

**- CHAIN LINK FENCE

APPROXIMATE
SCALE - FEET



FIGURE 4
EM IN-PHASE (METAL SENSITIVE)
CONTOUR MAP - 8,000 Hz
PARCEL D
ATWATER STREET
DETROIT, MICHIGAN

Client

AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

GEOPHYSICAL IMAGING, INC.
7357 WOODSHIRE LN
HOLLAND, OH 43528

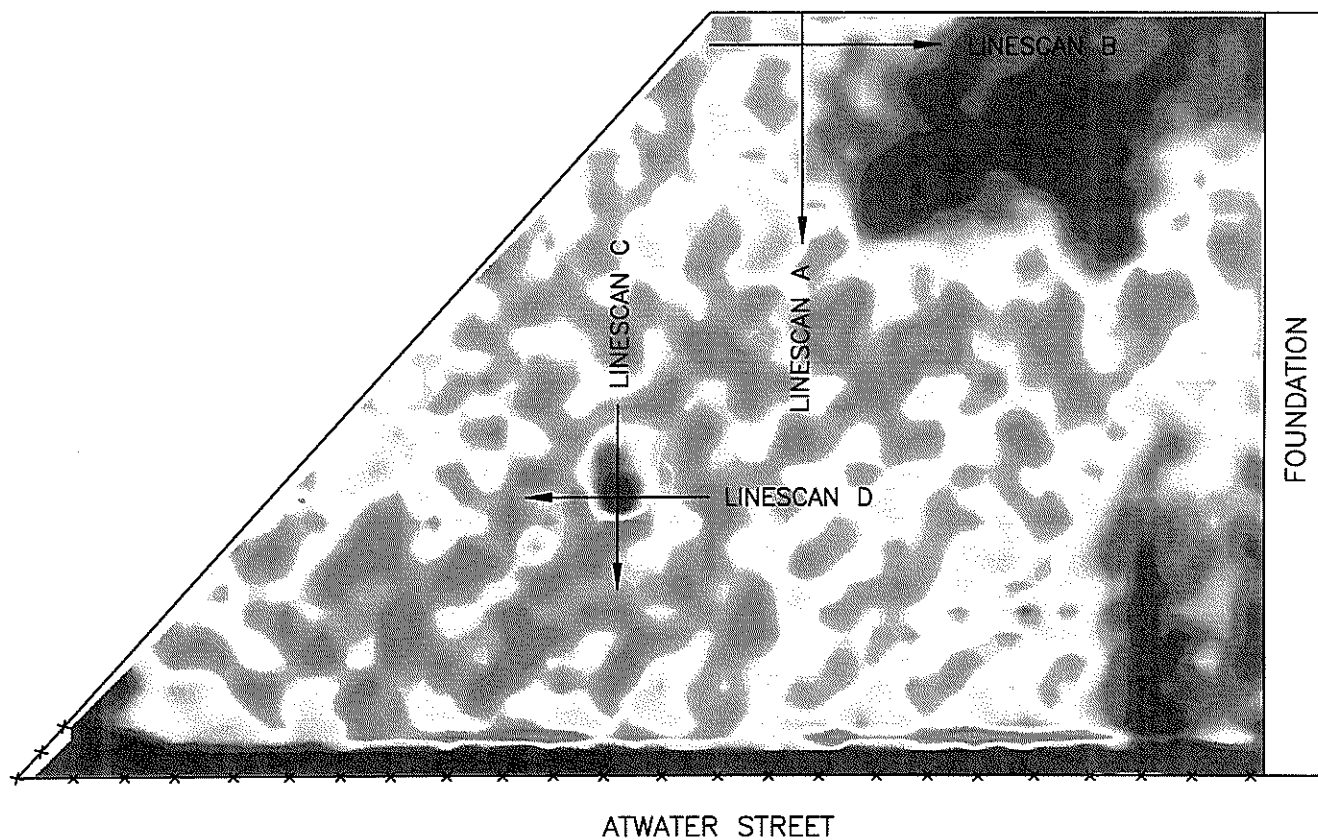
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06-189Fig4





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** CHAIN LINK FENCE

APPROXIMATE
SCALE - FEET

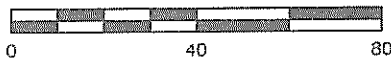


FIGURE 5
EM QUADRATURE (TERRAIN CONDUCTIVITY)
CONTOUR MAP - 12,000 Hz
PARCEL D
ATWATER STREET
DETROIT, MICHIGAN

Client

AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

GEOPHYSICAL IMAGING, INC.
7357 WOODSHIRE LN
HOLLAND, OH 43528

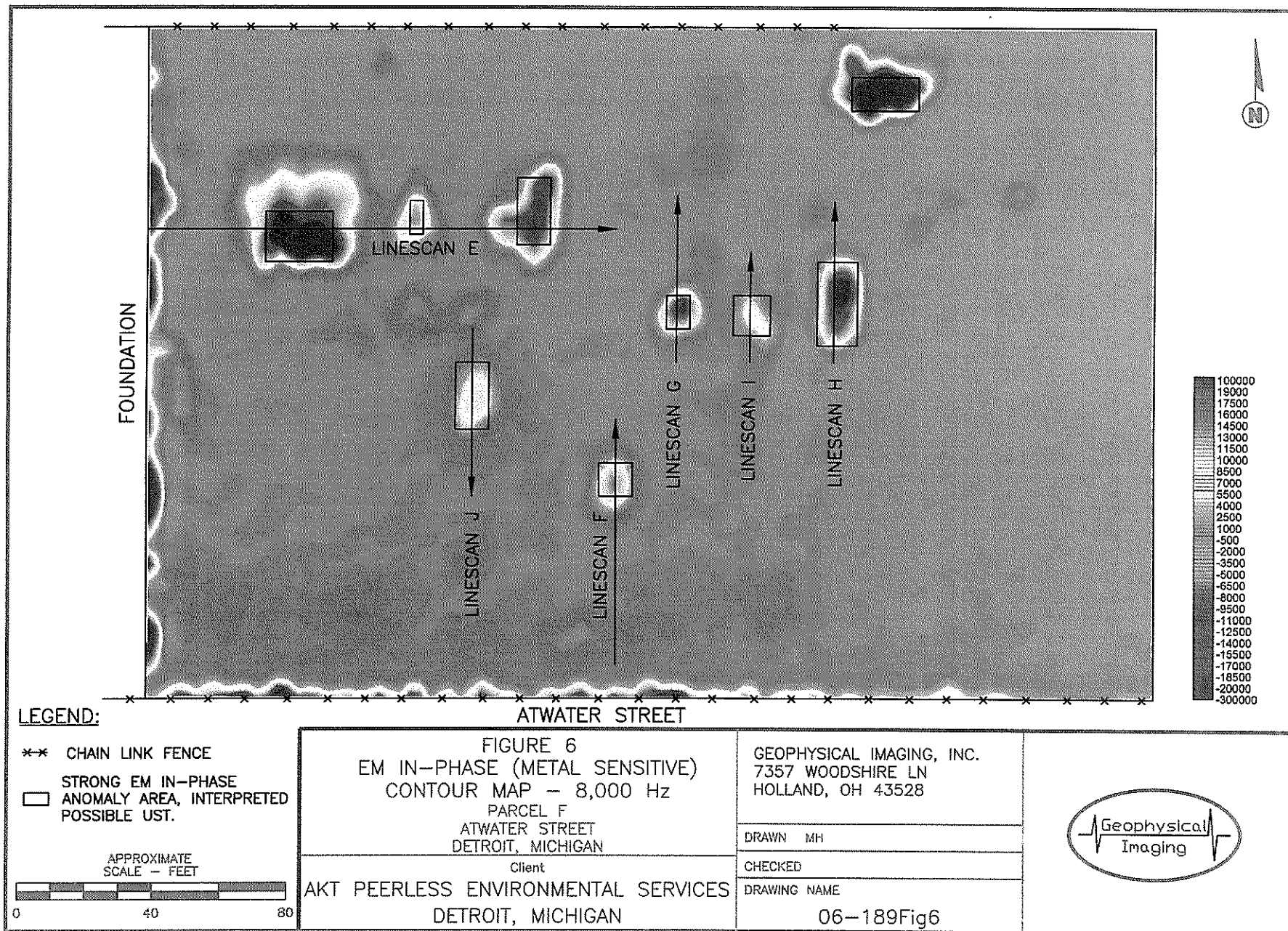
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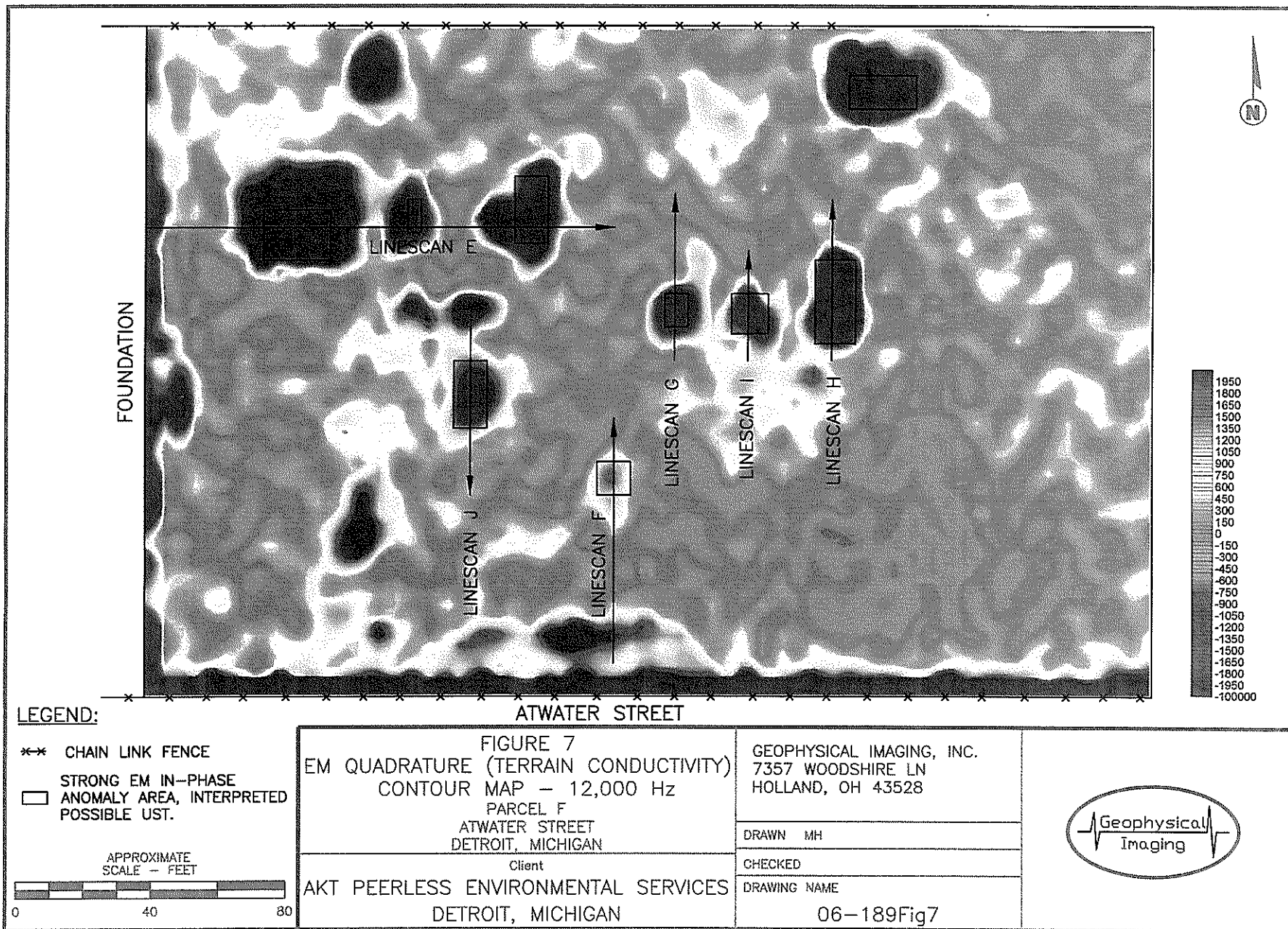
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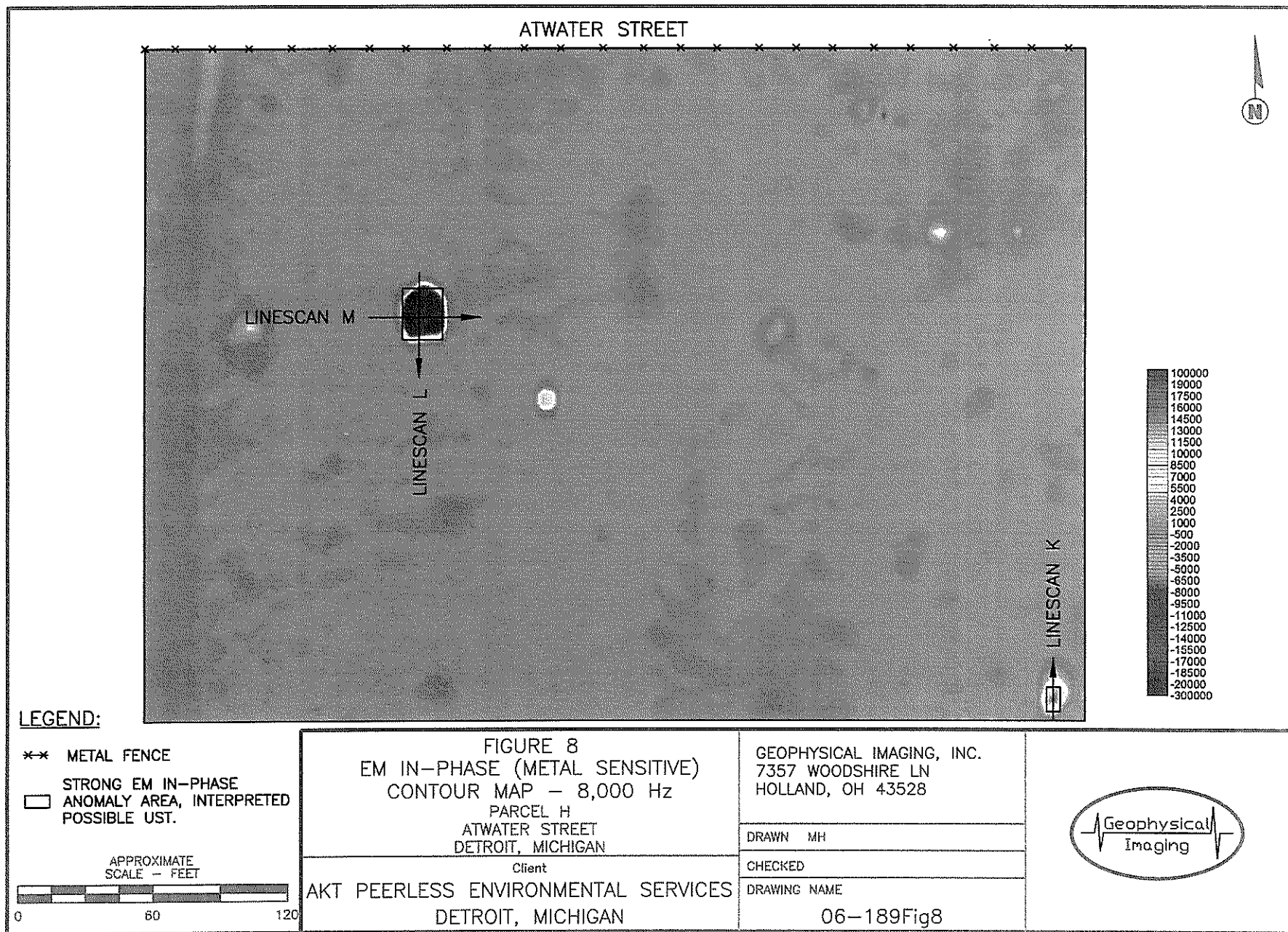
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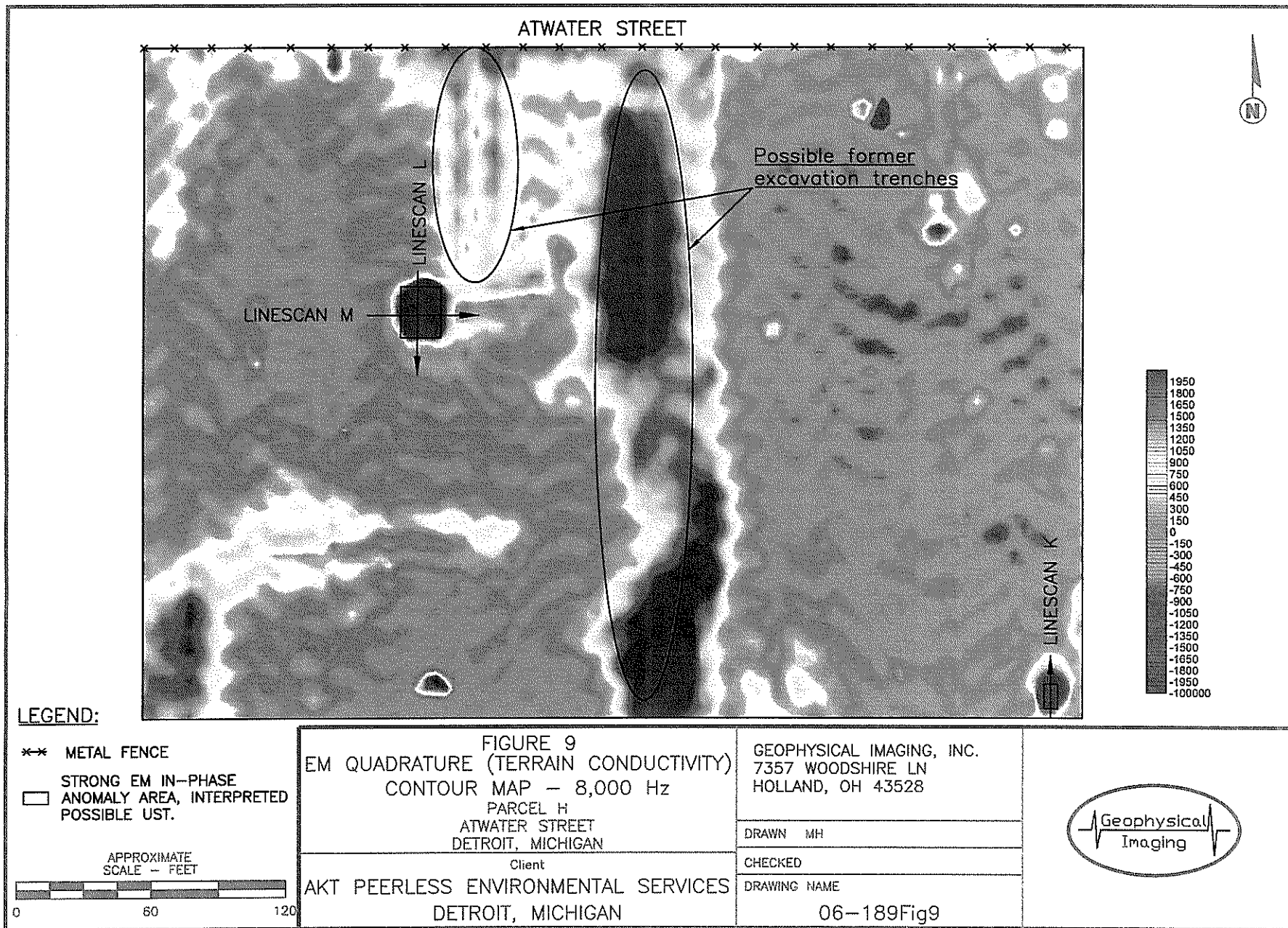
06-189Fig5



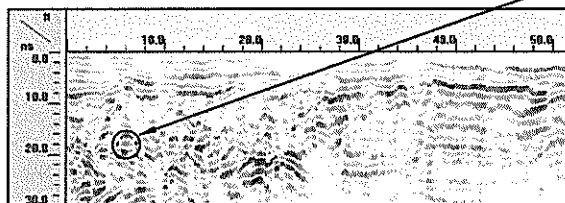






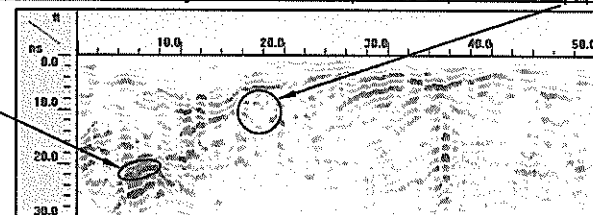


LINESCAN A: shallow hyperbolic reflection response over moderate EM anomaly area, interpreted possible pipe.

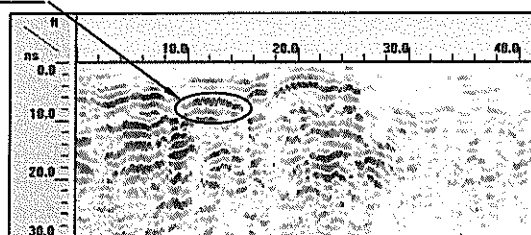


LINESCAN B: shallow hyperbolic reflection response over moderate EM anomaly area, interpreted possible pipe.

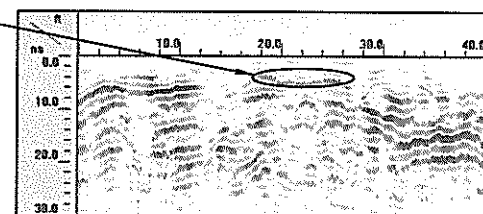
Possible
Concrete



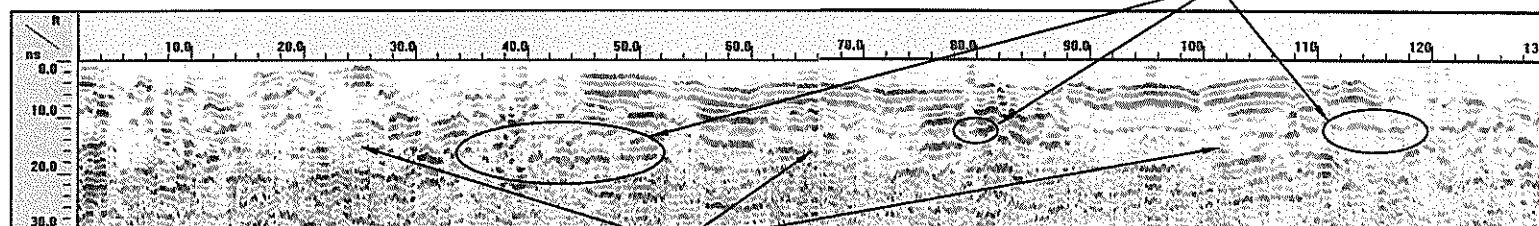
LINESCAN C: shallow hyperbolic reflection response over moderate EM anomaly area, interpreted possible rebar concrete.




LINESCAN D: shallow hyperbolic reflection response over moderate EM anomaly area, interpreted possible rebar concrete.



LINESCAN E: over strong EM anomaly area, interpreted possible rebar concrete/metal debris.



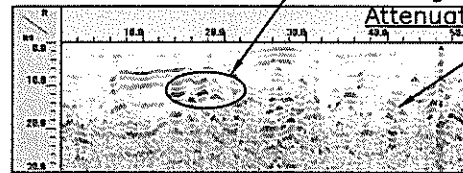
Strong Signal Attenuation Effects

<p>FIGURE 10 TARGETED GPR LINESCANS LINESCANS A, B, C, D, AND E PARCELS D AND F ATWATER STREET DETROIT, MICHIGAN</p>	<p>GEOPHYSICAL IMAGING, INC. 7357 WOODSHIRE LN HOLLAND, OH 43528</p>	
<p>Client</p>	<p>DRAWN MH</p>	
<p>AKT PEERLESS ENVIRONMENTAL SERVICES DETROIT, MICHIGAN</p>	<p>CHECKED DRAWING NAME 06-189Fig10</p>	

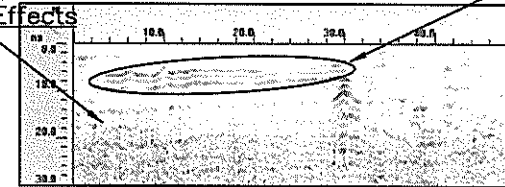
LINESCAN F: over strong EM anomaly area,
interpreted possible UST/metal debris.



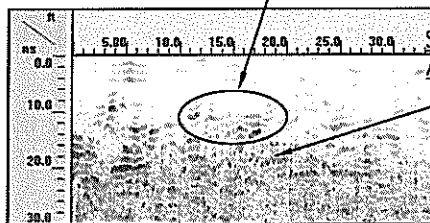
LINESCAN G: over strong EM anomaly
area, interpreted possible rebar
concrete/metal debris.



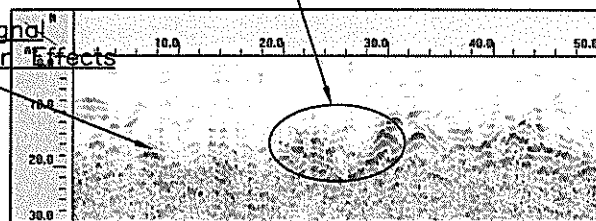
LINESCAN H: over strong EM anomaly
area, interpreted possible rebar concrete.



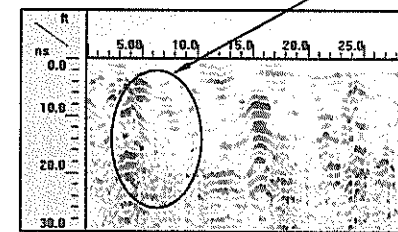
LINESCAN I: over moderate EM anomaly
area, interpreted possible rebar
concrete/metal debris.



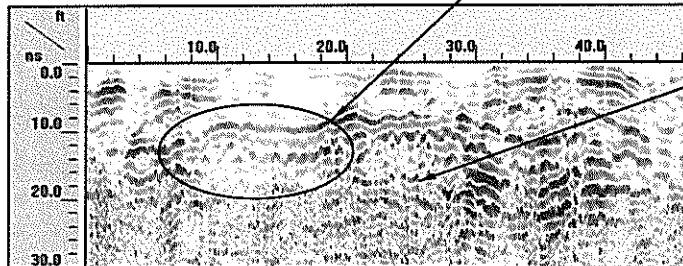
LINESCAN J: over moderate EM anomaly
area, interpreted possible rebar
concrete/metal debris.



LINESCAN K: over strong EM anomaly area,
interpreted possible UST/metal debris.



LINESCAN L: over strong EM anomaly area,
interpreted possible UST/metal debris.



LINESCAN M: over strong EM anomaly area,
interpreted possible UST/metal debris.

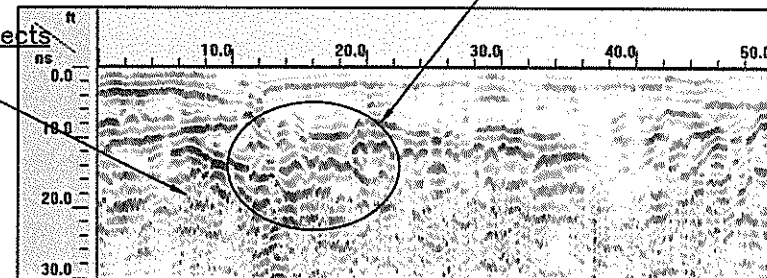


FIGURE 11
TARGETED GPR LINESCANS
LINESCANS F, I, J, K, L, AND M
PARCELS F AND H
ATWATER STREET
DETROIT, MICHIGAN

Client

AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

GEOPHYSICAL IMAGING, INC.
7357 WOODSHIRE LN
HOLLAND, OH 43528

DRAWN MH

CHECKED

DRAWING NAME

06-189Fig11



APPENDIX C

Legal Description of the Subject Property

General Property Information

[Back to Non-Printer Friendly Version] [Send To Printer]

Parcel: 07000007.

Property Address

[collapse]

1461 E ATWATER
, 48207**Owner Information**

[collapse]

ECONOMIC DEV CORP - CITY OF DETROIT
500 GRISWOLD STE 2200
DETROIT, MI 48226

Unit: 01

Taxpayer Information

[collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2006

[collapse]

Property Class:	700	Assessed Value:	\$0
School District:	D - DETROIT SCHOOLS	Taxable Value:	\$0
State Equalized Value:	\$0	Map #	07
DISTRICT	4	Date of Last Name Chg:	09/01/2006

Date Filed:

Principal Residence Exemption (2006 May 1): 0.0000 %

Principal Residence Exemption (2006 Final): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2005	\$0	\$0	\$0
2004	\$0	\$0	\$0

Land Information

[collapse]

Acreage:	1.39	Frontage:	0.00 Ft.
Zoning Code:		Depth:	0.00 Ft.
Land Value:	\$0	Mortgage Code:	
Land Improvements:	\$0	Lot Dimensions/Comments:	N/A
Renaissance Zone:	NO		

Legal Information

[collapse]

N ATWATER 8-9-10 W 1/2 11 W 1/2 12 PLAT OF GUOIN FARM L11 P596 DEEDS, W C R 7/3 60,600 SQ FT

Sales Information

4 sale record(s) found.

Sale	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
------	------------	------------	---------	---------	---------------	------------

Date						
09/01/2006	\$1.00	PTA	CITY OF DETROIT-P&DD	ECONOMIC DEV CORP - CITY OF DETROIT	GOVERNMENT TRANSFER	
04/25/2001	\$3,200,000.00	WD	GLORIA,KAREN,SHERYL FREEDLAND	CITY OF DETROIT	ARMS LENGTH	35013/65.0
04/01/2001	\$3,200,000.00	PTA			ARMS LENGTH	92031:18190
11/01/2000	\$1.00	QC			NA-NOT ACCEPTABLE	33577:00250

****Disclaimer:** BS&A Software provides this Web Site as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.

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General Property Information

[Back to Non-Printer Friendly Version] [Send To Printer]

Parcel: 07000008.

Property Address	[collapse]
1471 E ATWATER , 48207	

Owner Information	[collapse]
ECONOMIC DEV CORP - CITY OF DETROIT 500 GRISWOLD STE 2200 DETROIT, MI 48226	
Unit:	01

Taxpayer Information	[collapse]
SEE OWNER INFORMATION	

General Information for Tax Year 2006				[collapse]
Property Class:	700	Assessed Value:	\$0	
School District:	D - DETROIT SCHOOLS	Taxable Value:	\$0	
State Equalized Value:	\$0	Map #	07	
DISTRICT	4	Date of Last Name Chg:	09/01/2006	
Date Filed:				
Principal Residence Exemption (2006 May 1):	0.0000 %			
Principal Residence Exemption (2006 Final):	0.0000 %			
Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable	
2005	\$0	\$0	\$0	
2004	\$0	\$0	\$0	

Land Information				[collapse]
Acreage:	2.48	Frontage:	189.70 Ft.	
Zoning Code:		Depth:	189.70 Ft.	
Land Value:	\$0	Mortgage Code:		
Land Improvements:	\$0	Lot Dimensions/Comments:	N/A	
Renaissance Zone:	NO			

Legal Information	[collapse]
N ATWATER E 1/2 11 E 1/2 12 PLAT OF GUOIN FARM L11 P596 DEEDS, W C R 7/3 12-13 SUB OF RIOPELLE FARM L15 P394-5 CITY RECORDS, WCR 7/2 7-6-5 COMMISSIONERS SUB L276 P289 DEEDS, W C R 7/4 36,000 SQ FT	

Sales Information

3 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/ Page
09/01/2006	\$1.00	PTA	CITY OF DETROIT-P&DD	ECONOMIC DEV CORP - CITY OF DETROIT	GOVERNMENT TRANSFER	
04/01/2001	\$4,000,000.00	PTA			ARMS LENGTH	92031:46280
11/01/2000	\$1.00	QC			NA-NOT ACCEPTABLE	33577:00250

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APPENDIX D
Property Photographs



*PHOTOGRAPH NO. 1: SUBJECT PROPERTY (PARCELS F AND G)
AS VIEWED FACING NORTH*



*PHOTOGRAPH NO. 2: SUBJECT PROPERTY (PARCELS F AND G)
AS VIEWED FACING EAST*

AKTPEERLESS
environmental services

RECONNAISSANCE PHOTOGRAPHS
ATWATER LOFTS
(NORTHEAST)
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.10.08

PROJECT NUMBER: 3133D.7-20



*PHOTOGRAPH NO. 3: SUBJECT PROPERTY (PARCELS F AND G)
AS VIEWED FACING SOUTH*

 **AKT**PEERLESS
environmental services

RECONNAISSANCE PHOTOGRAPHS
ATWATER LOFTS
(NORTHEAST)
ATWATER STREET, RIOPELLE STREET,
RIVARD STREET, AND GUOIN STREET
DETROIT, MICHIGAN

TAKEN BY: M. BAHORSKI
DATE: 10.10.06

PROJECT NUMBER: 5133D-7-20

APPENDIX E

AKT Peerless' Professional Experience

MEGAN BAHORSKI

PROFESSIONAL PROFILE

**Environmental Consultant
Environmental Compliance and Assessment Services**

EDUCATION

Michigan State University, East Lansing, Michigan
B.S., Environmental Studies and Applications

PROFESSIONAL EXPERIENCE

Environmental Consultant, AKT Peerless Environmental Services
BB&J Staff Scientist I, NEPA Experience

AREA OF EXPERTISE

Expertise includes: (1) evaluating the potential environmental risk at commercial and raw-land properties, (2) conducting Phase I environmental Assessments, (3) providing oversight of soil and ground water Phase II ESA subsurface investigations.

SUMMARY OF SELECTED PROJECTS

- (1) Performed Phase I Environmental Site Assessments (ESA) of commercial and raw-land properties.
- (2) Provided oversight of soil and ground water Phase II ESA subsurface investigations.
- (3) Completed National Environmental Policy Act Reports for a large telecommunications client.
- (4) Participated in writing proposals for Phase II ESA subsurface investigations.
- (5) Worked on the TCNS/SHPO process for a large telecommunications client.

SPECIALIZED TRAINING

OSHA – 40-Hour Hazardous Waste Operations Training

OSHA – 8-Hour Hazardous Waste Operations Training

TIMOTHY J. MCGAHEY, CHMM

PROFESSIONAL PROFILE

Senior Project Manager
Environmental Compliance and Assessment Services

EDUCATION

Aquinas College, Michigan
B.S., Environmental Science, 1998

PROFESSIONAL EXPERIENCE

Senior Environmental Consultant, AKT Peerless Environmental Services

AREA OF EXPERTISE

Expertise includes: (1) conducting Phase I environmental site assessments (ESAs), (2) conducting environmental compliance audits, (3) field management and activities coordination, (4) coordinating environmental investigations, and (5) asbestos building inspections.

Additional expertise includes: (1) conducting field operations such as soil, surface water, and groundwater sampling, (2) oversight of field operations such as monitoring well installation, and contaminant delineation, (3) preparing Phase II Subsurface Investigation Reports, (4) preparing Baseline Environmental Assessment Reports, (4) preparing Section 20107a Compliance Evaluations, (5) conducting geophysical surveys, (6) preparing US EPA Work Plan/Sampling Analysis Plans, and (7) creating maps, diagrams, and drawings.

Supporting area of expertise include a working knowledge of state and federal environmental regulations applicable to wastewater discharges, toxic release inventory reporting, and hazardous chemical inventory reporting.

Mr. McGahey has over seven years of experience in investigative activities regarding hazardous materials, substances or contaminants; including environmental site assessment and long-term monitoring and removal activities. Mr. McGahey has conducted subsurface investigations to evaluate the presence and/or extent of soil and groundwater contamination.

SUMMARY OF SELECTED PROJECTS

- (1) Performed Phase I ESAs (including project management, site reconnaissance, regulatory and historical records investigations, and report completion) for financial institutions, manufacturing facilities, real estate developers, property managers, and insurance companies. Properties included industrial, commercial, and residential sites. Properties assessed were located in Michigan, Ohio, Indiana, Virginia, Arizona, Texas, Oklahoma, Tennessee, and Nebraska.
- (2) Conducted environmental compliance audit for plastics forming facility. Audit focused on determining the facility degree of compliance with applicable federal, state and local environmental regulations and recommending actions to achieve compliance.
- (3) Performed Environmental Transaction Screen Assessments (including project management, field activity, site reconnaissance, regulatory historical records investigations, and report completion) for financial institutions.

- (4) Prepared annual Toxic Chemical Release Inventory (Form R) and Hazardous Chemical Inventory (Tier II) reports for industrial facilities.
- (5) Prepared quarterly Wastewater Discharge Permits for plastics forming facility.
- (6) Prepared Storm Water Pollution Prevention Plans for various manufacturing facilities.
- (7) Conducted hazardous materials surveys for operating and abandoned industrial facilities.
- (8) Supervised drilling and mobile lab operations. Activities included: selecting boring locations, collecting soil samples, field screening soil samples, installing monitoring wells, and selecting samples for laboratory analysis.
- (9) Supported USEPA in a critical removal action for an abandoned industrial facility in Hamtramck, Michigan.
- (10) Conducted vertical profiling and discrete sampling of groundwater at specific depths to determine the vertical extent of contamination. Conducted delineation procedures to determine the exact location and extent of soil contamination.
- (11) Conducted geophysical surveys using an EM-61MK2 metal detector, and prepared scaled, contoured site maps depicting anomalous areas.
- (12) Conducted long term monitoring including well development and well sampling procedures.
- (13) Provided technical expertise and project management support for the Downriver Area Brownfield Consortium (DABC) USEPA Brownfield Assessment Grants and Detroit/Wayne County Port Authority (DWCPA) Brownfield Assessment Grants. These grants are designed to empower communities in the economic redevelopment of Brownfield sites. Duties include management, oversight, property assessments; participation in monthly meetings; developing USEPA Work Plans, preparing quarterly reports, and communication with USEPA.
- (14) Conducted and managed due-diligence investigations for large-scale (more than 40 properties) portfolio property purchases.

REGISTRATIONS/CERTIFICATIONS

Certified Hazardous Materials Manager (CHMM) by the Academy of Certified Hazardous Materials Managers (Certificate No. 010213)

Health and Safety Training for Hazardous Waste Sites (OSHA-mandated 40-hour training)

OSHA 8-Hour refresher courses

Michigan Department of Environmental Quality Certified Storm Water Operator -Industrial

OSHA Confined Space Entrant and Attendant Course

Completed AHERA Asbestos Building Inspector Course

First Aid / CPR

PROFESSIONAL AFFILIATIONS

Academy of Certified Hazardous Materials Managers (ACHMM)

Michigan Chapter, ACHMM

APPENDIX F
Draft Development Plan

III. DEVELOPMENT PLAN



East Riverfront District Vision

Imagine a five minute walk commute from a long days work. Arriving at your new @water Lofts **home** just in time to see the world famous Detroit 4th of July Fireworks along the serene Detroit River, which just happens to be in your front yard. Shortly after taking in the view from the rooftop garden, you and a couple of friends take a leisurely walk down to Seldom Blues. Along the way, you see colleagues from work, friends, and family enjoying neighborhood shops and cafes all along Atwater. All the while, the Tricentennial Park is packed with people strolling along enjoying the mid-summer night's breeze. We envision residents walking down the street to buy groceries for the evening and retiring to a rooftop deck to watch the sun set. Perhaps they will stop by the local coffee shop and read the paper at an outdoor seating area. Maybe an early morning jog to Belle Isle while most of the city starts to waken or a bike ride down the riverfront to see friends or visit that new store that has recently opened.



The @water Lofts will active Atwater Street by creating a vibrant, mixed-use streetscape such as that seen in this image.

Although this is fictional today, we aim to bring it to reality. Our focus is to provide a better quality of life in the city, one that meets the desires and the whimsy of the sophisticated condo buyer of today. Hines/Belmar is poised to meet this challenge.

During the past eight years, the City of Detroit and General Motors have been the visionary champions of Detroit's East Riverfront. Just over eight years ago, GM acquired and redeveloped the Renaissance Center, doing so in a manner which opens the towering complex to the larger Detroit community, both physically and symbolically. Commissioned in 2002 by the City of Detroit, Cooper Robertson Associates created a master plan for the East Riverfront District, providing the guiding principles for infill development. More recently, the City of Detroit and GM have assembled a group of private corporations, foundations and governmental stakeholders to form the Detroit Riverfront Conservancy. The goal of the Conservancy is the



The @water Lofts will provide opportunities for neighborhood-scale and national retail.

creation of the Detroit Riverwalk, a pedestrian and bicycle pathway that will provide unrestricted public access to the Detroit River from Hart Plaza to Belle Isle. The transformation of Detroit's East Riverfront zone has been envisioned, and is being executed, on a scale rarely seen before. It is unfolding as a story of national significance.

@water Lofts will be the nexus of the East Riverfront District. Strategically, the site will serve as a vital activity center along Atwater Street, linking the outdoor GM Plaza and Promenade with the Tri-Centennial State Park and Harbor. We have selected the Atwater South and Atwater North parcels for our proposed development. We believe that the combination of these two sites is of vital importance to the establishment of an urban living experience. Therefore, our development proposal to the EDC is for the two sites to be viewed as a single project. Using the nine-acre combined site area, our goal is to create the anchor development of a 24-hour urban neighborhood where residents can live, work and play. We see this development as the new core of this area and it will set the standard and promote further growth within the district. Finally, the plan for this development will be executed with a dedication to quality that will help fulfill the vision shared by the City of Detroit, General Motors, the Detroit Riverfront Conservancy, and the State of Michigan that together have stepped forward together to support these extraordinary projects.



The @water Lofts will attract an exciting mix of restaurants to serve new residents.



The @water Lofts will have space for local coffee shops and various boutique style retailers.

These goals can be accomplished through urban design that recognizes the necessity for active, pedestrian-oriented building design at the street level. All parking for the @water Lofts will be in mid-block private structures hidden from view by storefronts and/or residential linear buildings at grade level. Convenient entrances to parking garages will be from side streets, minimizing their impact visually on Atwater and to the pedestrian traffic, while maintaining the integrity and the scale we are attempting to create on Atwater and Riopelle.

These changes include adding parallel parking to both sides of Atwater Street. This will slow traffic down, making the street more pedestrian friendly and livable for the residents and employees while enhancing the street-level retail along Atwater by providing convenient short-term parking and slower traffic speeds.

The retail at grade level along Atwater will be neighborhood oriented, boutique-scale offerings featuring coffee shops, dry cleaning, small produce markets, cafes and other

services typically associated with urban neighborhoods. These flexible spaces will offer opportunities for national chain stores as well as local entrepreneurs. The architectural treatment of the retail and residential elements is the key to creating a scale and rhythm that will heighten the physical and visual access to the retailers and provide a pleasant pedestrian experience. Through the use of various masonry colors and patterns, fenestration detail, awnings and signage, the articulation of the facades will become an exciting visual backdrop to the activity on the street. The street furniture, including planters, seating and waste receptacles, along with district-standard light poles, banners and pavers will create a sense of place and tie this development directly to the Detroit RiverWalk. The use of these homogenous elements will bolster the identity of the district and enhance the continuity of the streets and pathways.

We envision an area with the feel of a reclaimed waterfront warehouse zone with contemporary components. Brick is seen as the primary material, giving a nod to the industrial heritage of the district, with contemporary touches coming from expansive windows, inviting entries, colorful awnings and canopies, with creative and well-controlled sign styles. Massing of the proposed development will decrease from the ground level retail level to the residential units above. This approach establishes a strong street wall without creating a canyon effect at street level, allowing for sunlight to fill the streetscape. This also allows for an even distribution of residential views to the Detroit River.

The Parcels

@water NorthEast (5 stories, 142 residential units)

The Atwater North site is critical to establishing the identity of the East Riverfront District and should be the first development. We will offer amenities to attract the initial downtown residents and visitors. Development of the @water Lofts will initiate with construction on the eastern half of the Atwater North parcel. The site plan recognizes the importance of the corner location at Atwater and Riopelle Streets by providing twenty-one thousand square feet of street-level retail space, enough area to attract a variety of retail uses. Additionally, we have provided seven work/live residential units facing onto Riopelle Street to maximize the benefits of the dedicated park space immediately to the east. A total of 142 residential units will be built in a loft style affording residents a variety of floor plans, stunning views, hardwood floors and exposed brick surfaces.

@water NorthWest (5 stories, 167 residential units)

The second phase to be known as @water NorthWest will follow on the western half of the six acre site, with adjustments to unit design and pricing driven by the success of Phase I. This phase anticipates 167 residential units in a similar loft style as the previous phase. With the addition of this phase, we will create a 'pocket park' between Phase I and II for fourteen ground floor residential units. We envision a mid-block crossing on Atwater Street directly



The architecture of the @water development will bring a scale and rhythm to activate the East Riverfront district.

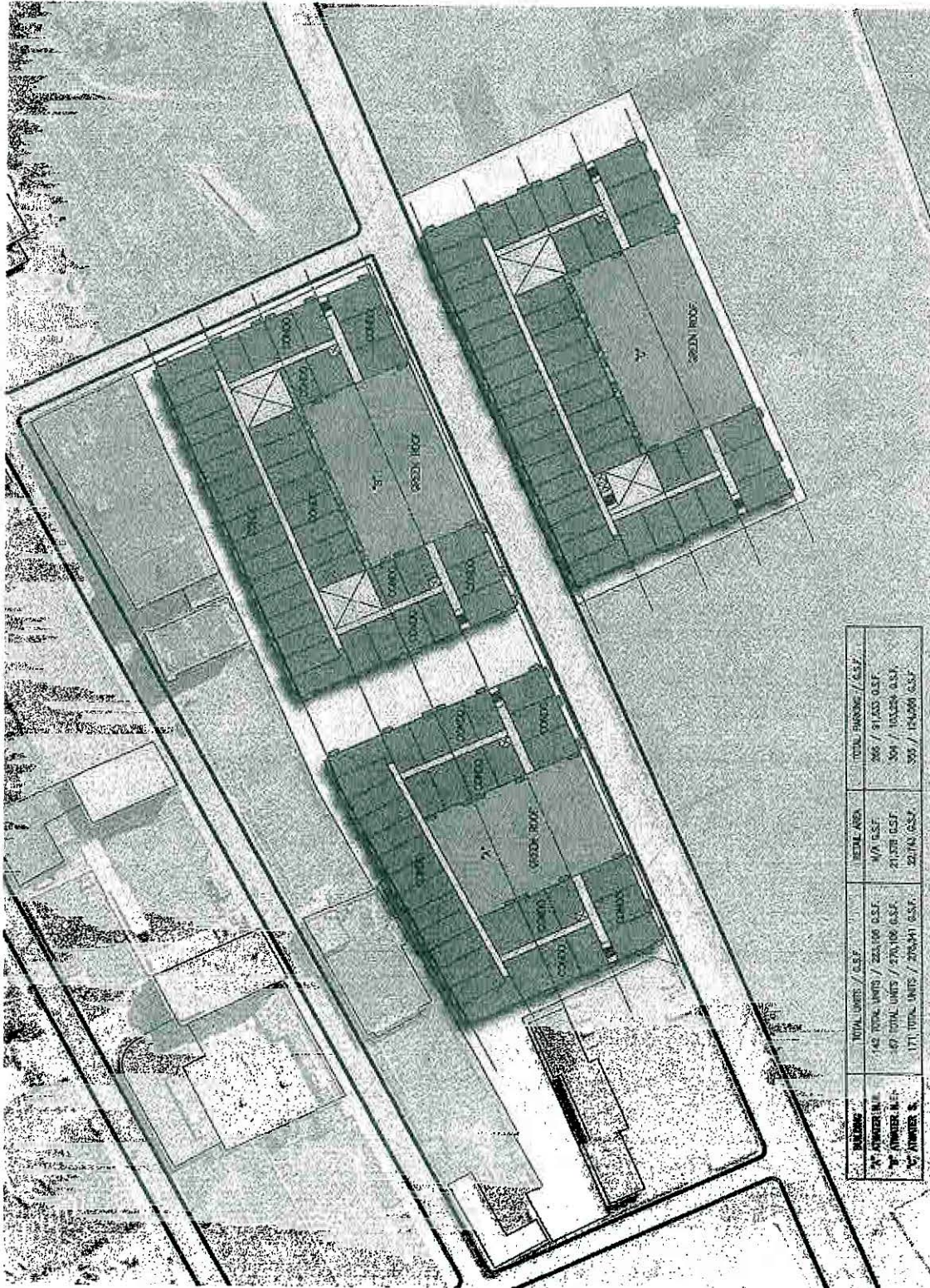
across from this pocket park to encourage pedestrian activity across the street. Vehicle access to the structured parking deck takes advantage of the Rivard Street access route, separating vehicle traffic from the active retail along Atwater Street. The residential units on levels 3-5 will enjoy an ample garden court with views of the Detroit River and the new state park.

@water South (5 stories, 171 residential units)

The Atwater South site will be developed last, offering the greatest number of residential units at a time when the East Riverfront District will be established as Detroit's premier neighborhood. Twenty-two thousand square feet of ground floor retail space is provided along the entire Atwater Street frontage. Vehicle entry to the two-story parking area is provided from a service drive on the east side of this site. Townhomes will flank the south side of the Atwater South parcel, creating a human scale for those cycling and walking in the future State Park between the water and the East Riverfront development, and simultaneously shielding the structured parking. Residents of these townhomes will share in the landscape amenities offered by the state's first urban park. On levels 3-5, the residents will enjoy an ample garden court with unrestricted views of sunrises and sunsets over the Detroit River, Canada and the new state park.

These combined buildings provide a wide variety of residential and retail spaces providing a diverse group of potential residents and proprietors many excellent choices. With Tri-Centennial State Park and Harbor serving as a front yard and unprecedented access to the Detroit RiverWalk connecting the Ambassador Bridge to the rich beauty of Belle Isle Park, the @water Lofts are truly the heart of it all.

On the following page we have included a preliminary project schedule to reflect our forecast for an entire sequence of development activities. However, Belmar/Hines does have the financial capacity to build out the development in fewer phases if the market dictates. For example, Atwater North could be built in a single phase, followed by Atwater South.



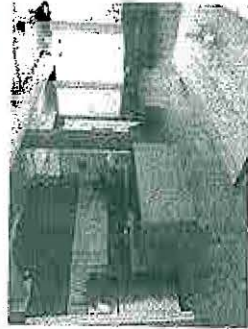
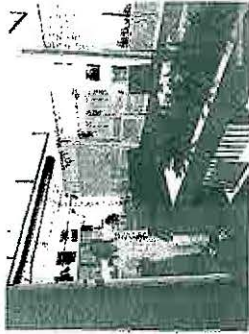
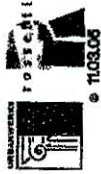
BUILDING	TOTAL UNITS / G.S.F.	TOTAL AREA	TOTAL PARKING / G.S.F.
100 ANNEUR BL.	142 TOTAL UNITS / 222,100 G.S.F.	N/A G.S.F.	205 / 91,000 G.S.F.
100 ANNEUR BL.	407 TOTAL UNITS / 470,100 G.S.F.	21,078 G.S.F.	504 / 103,200 G.S.F.
100 ANNEUR BL.	171 TOTAL UNITS / 270,241 G.S.F.	22,760 G.S.F.	505 / 154,000 G.S.F.

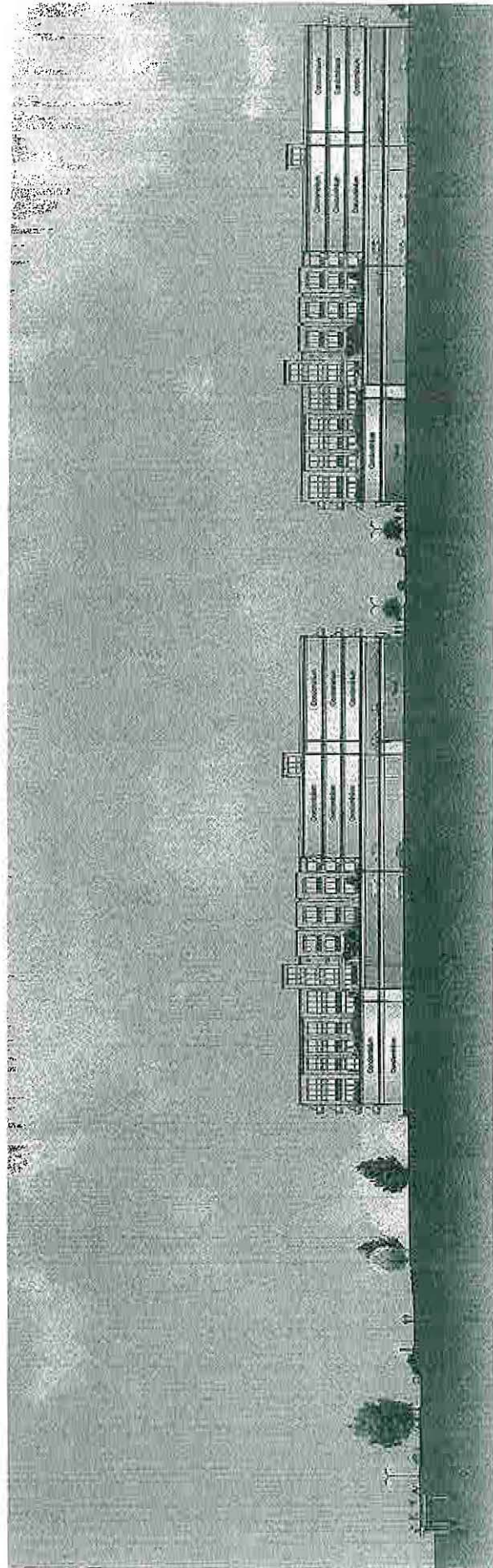
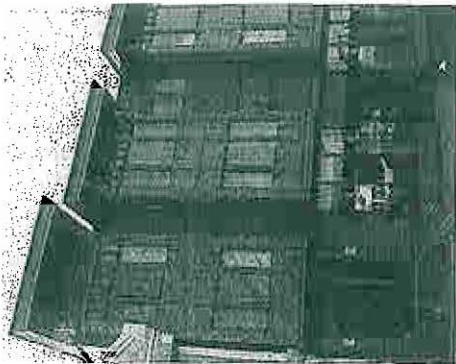
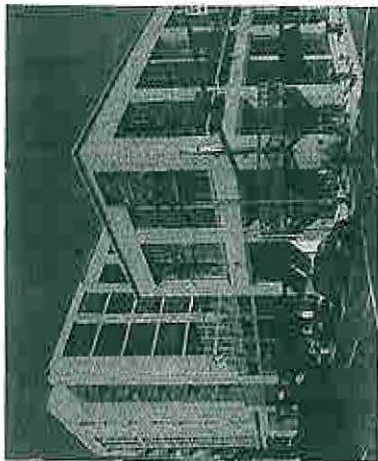
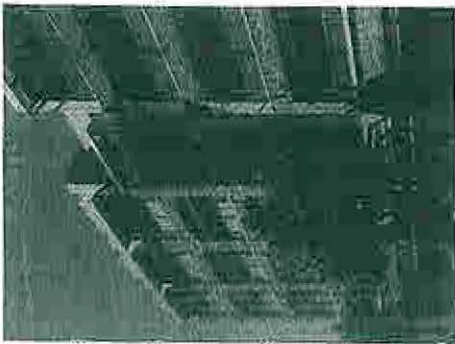
TYPICAL RESIDENTIAL LEVEL PLAN

Detroit, MI

Hines

HELMAS DEVELOPMENT GROUP, LLC





SECTION

@water

lofts

Detroit, MI

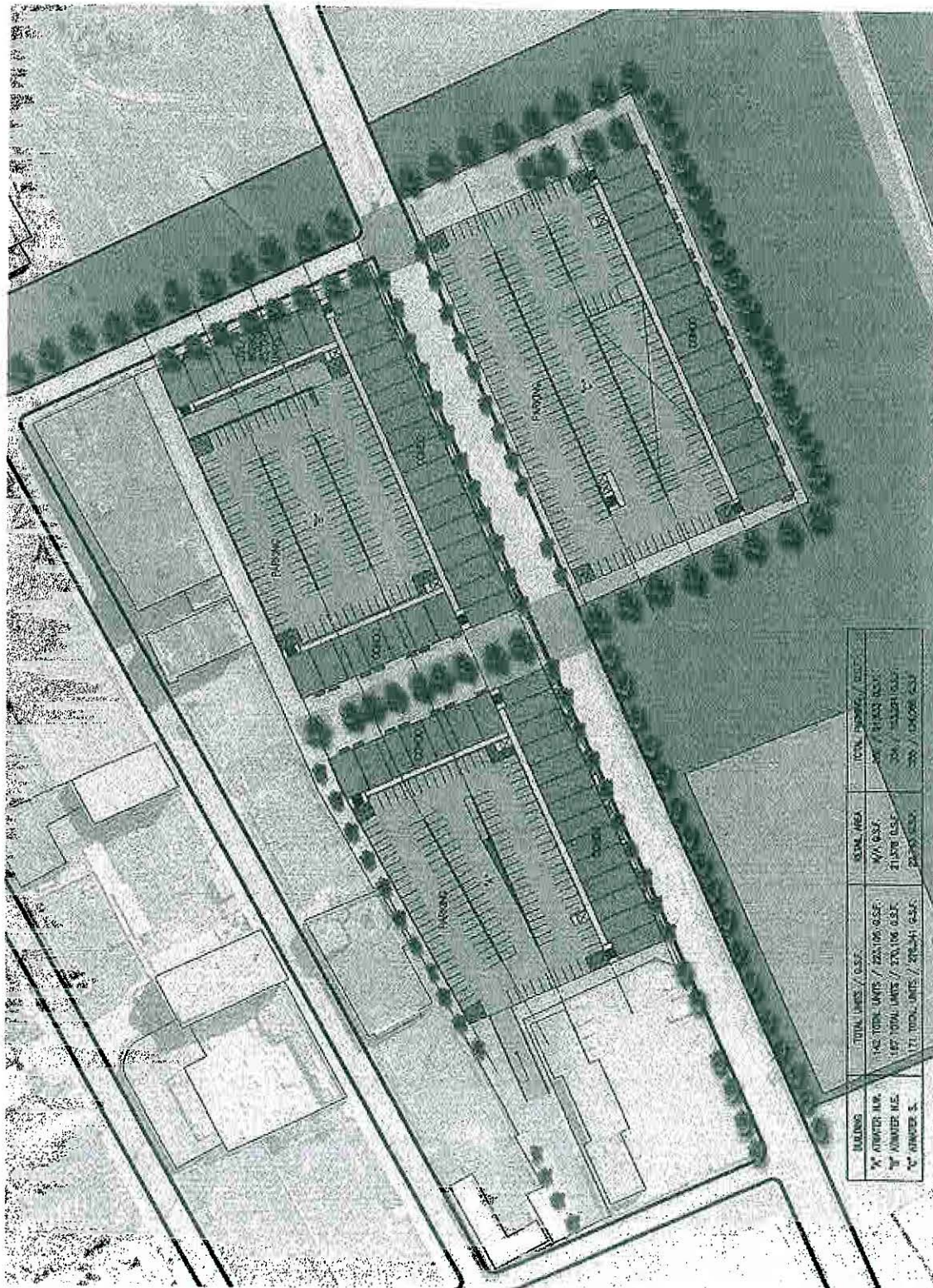


Hines

RENEAU DEVELOPMENT GROUP, LLC



© 110305



BUILDING	TOTAL UNITS / G.S.F.	SEAL AREA	TOTAL PARKING / G.S.F.
"A" WINTER ME.	142 TOTAL UNITS / 220,196 G.S.F.	100,000	100,000
"B" WINTER ME.	167 TOTAL UNITS / 270,106 G.S.F.	21,000 G.S.F.	21,000 G.S.F.
"C" WINTER S.	171 TOTAL UNITS / 270,106 G.S.F.	21,000 G.S.F.	21,000 G.S.F.

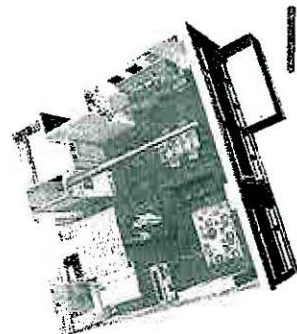
SECOND LEVEL PLAN

Detroit, MI

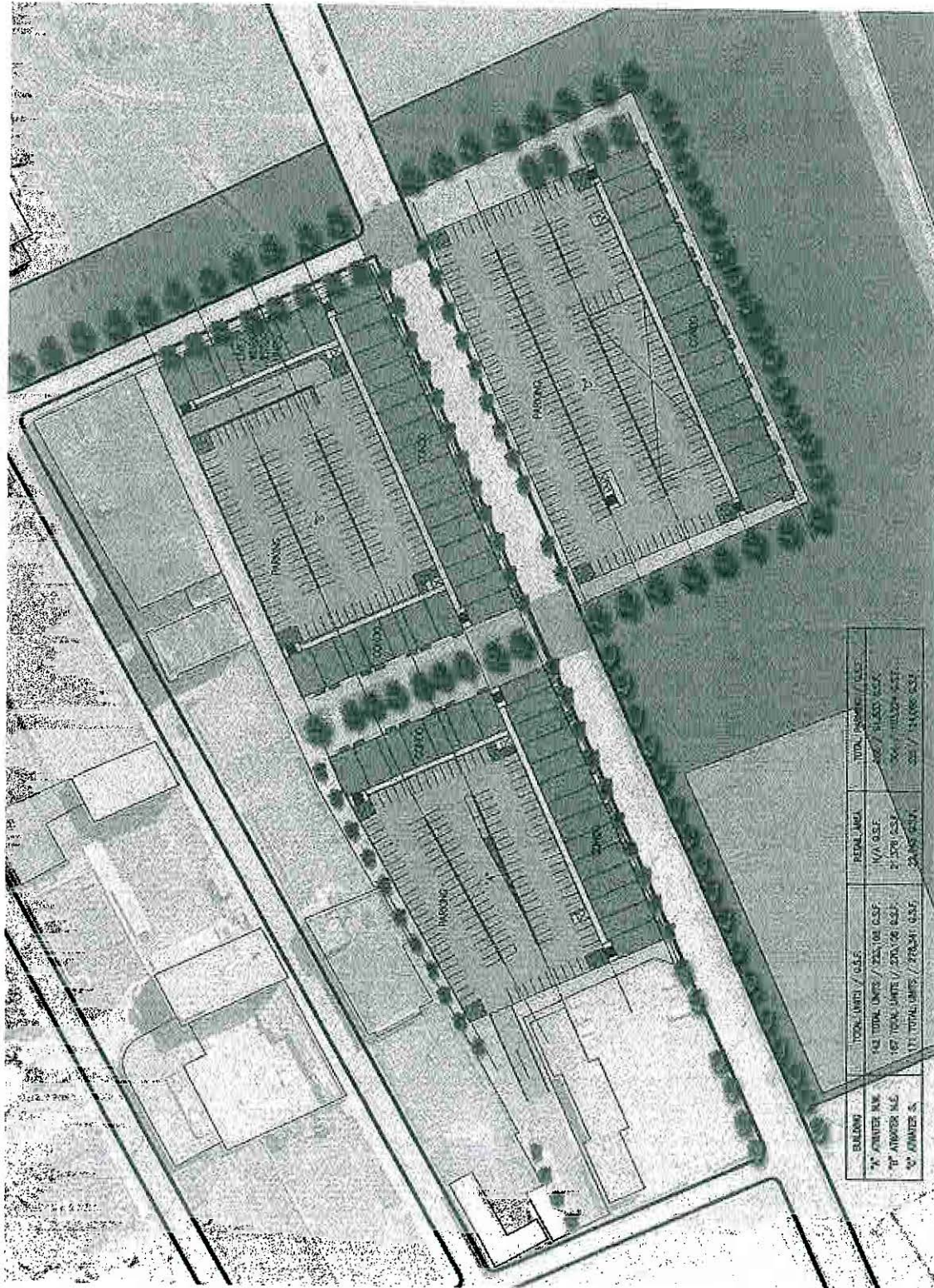


Hines

RELIANT DEVELOPMENT GROUP, LLC



lofts



BUILDING	TOTAL UNITS / G.S.F.	RETAIL AREA	TOTAL PARKING / G.S.F.
"A" WALKER BLDG.	142 TOTAL UNITS / 235,100 G.S.F.	N/A G.S.F.	200 / 11,550 G.S.F.
"B" WALKER BLDG.	167 TOTAL UNITS / 230,120 G.S.F.	2,170 G.S.F.	204 / 11,520 G.S.F.
"C" WALKER BLDG.	173 TOTAL UNITS / 270,341 G.S.F.	22,100 G.S.F.	202 / 11,000 G.S.F.

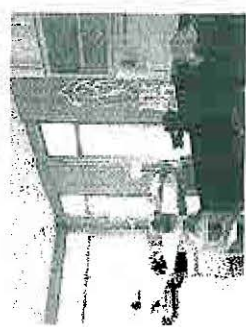
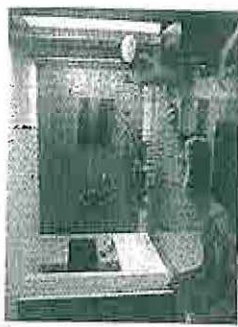
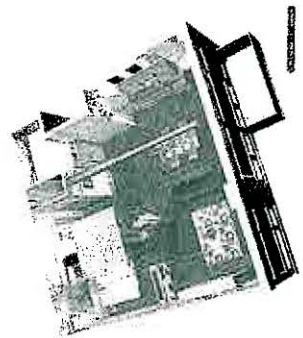
SECOND LEVEL PLAN

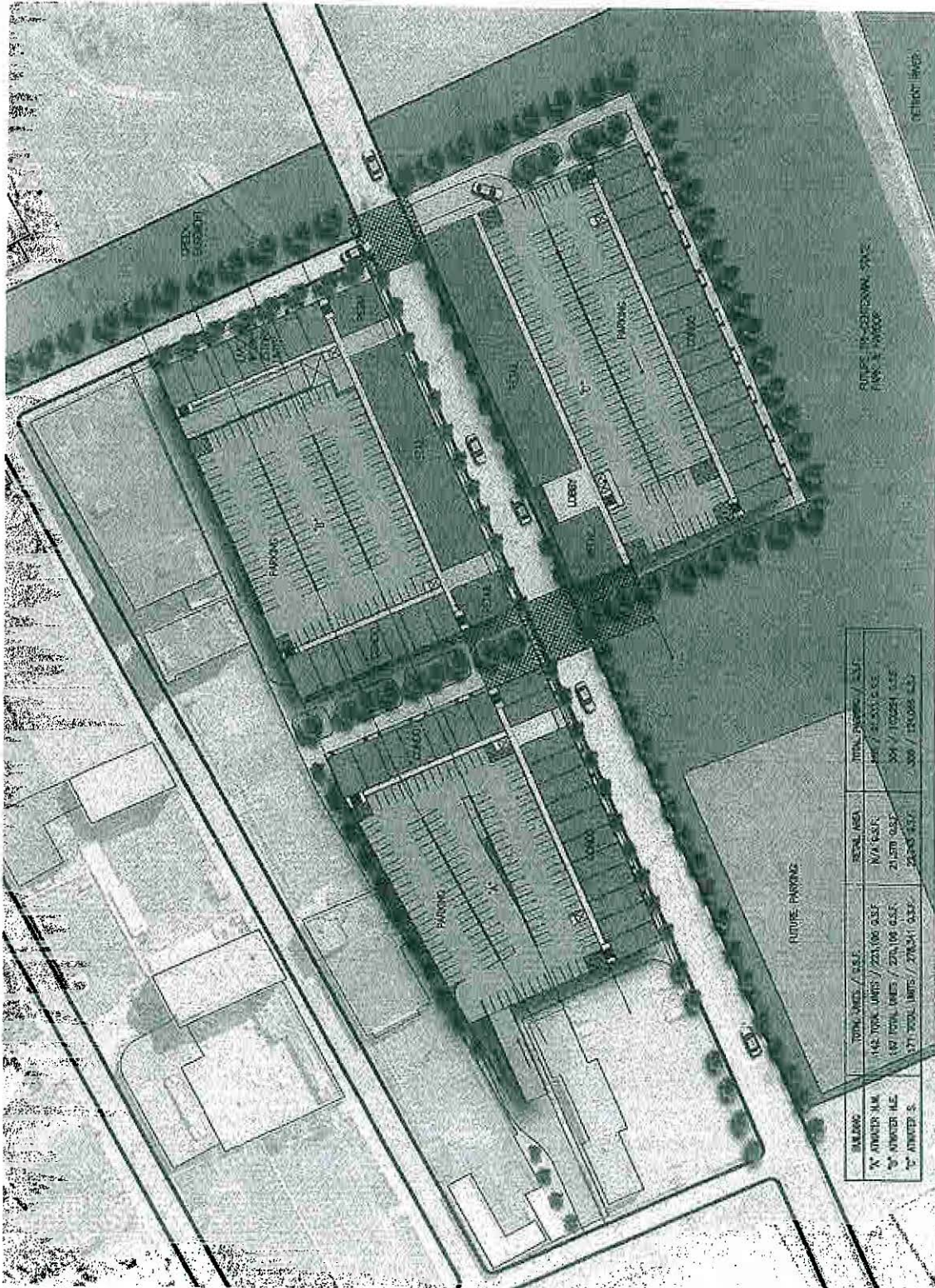


Detroit, MI

Hines

RESIDENTIAL DEVELOPMENT GROUP, LLC





BUILDING	TOTAL UNITS / G.S.F.	RENTAL AREA	TOTAL PARKING / G.S.F.
"A" ATTACHED 4M	142 TOTAL UNITS / 221,000 G.S.F.	N/A G.S.F.	1487 / 21,511 G.S.F.
"B" ATTACHED 4M	167 TOTAL UNITS / 270,100 G.S.F.	21,520 G.S.F.	504 / 10,224 G.S.F.
"C" ATTACHED 5M	171 TOTAL UNITS / 278,541 G.S.F.	22,543 G.S.F.	500 / 10,905 G.S.F.

STREET LEVEL PLAN

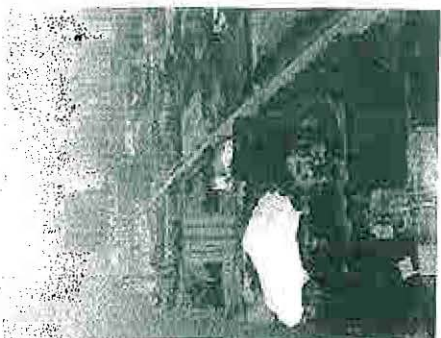
waterloofits

Detroit, MI



Hines

RESIDENTIAL DEVELOPMENT GROUP, LLC



ATTACHMENT

Previous Environmental Reports (CD)